

BUREAU OF WATER

South Carolina Department of Health and Environmental Control

STATE OF SOUTH CAROLINA MONITORING STRATEGY

FOR
CALENDAR YEAR 2019

Technical Report No. 1211-18




State of South Carolina
Monitoring Strategy
For
Calendar Year 2019

Technical Report No. 1211-18
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SUMMARY OF CHANGES FOR 2019

The ambient groundwater monitoring activities remain suspended.

Section 2.1.2.4 Waters of Concern Monitoring Sites was added.

1.0 PROJECT MANAGEMENT

1.1 Introduction/Background

This monitoring strategy establishes the overall goals and objectives for those key elements of the South Carolina Department of Health and Environmental Control (SCDHEC) water quality monitoring program to achieve the goals of the South Carolina Pollution Control Act (PCA), the federal Clean Water Act (CWA), and implement applicable State and Federal regulations. Under the PCA and CWA, SCDHEC has been delegated certain water quality monitoring responsibilities. These include water quality assessment, regulatory monitoring, and program evaluation as needed to fulfill the requirements of the aforementioned Acts. This strategy also serves to document these monitoring activities within the framework presented in the EPA guidance Elements of a State Water Monitoring and Assessment Program (USEPA, 2003). This monitoring strategy document, in conjunction with the referenced field and laboratory Standard Operating Procedures (SOPs), also serves as the Quality Assurance Project Plan for the ambient surface water quality monitoring program.

State administrators need to assess the quality of the aquatic environment so that they can make decisions concerning water program priorities and provide reports to the public on the state of the environment, important trends over time, and accomplishments. They also need to evaluate the effectiveness of control measures. Water quality monitoring data provide information necessary to meet these needs. While there are different approaches and philosophies of water quality monitoring, monitoring is not an end in itself but is only a catalyst to spur decisions regarding achievable and desirable resource use alternatives. Monitoring alone does not achieve protection and restoration of water quality. Monitoring data serves as a tool to assess conditions, to suggest where corrective actions may be necessary, and evaluate the results of those actions. Monitoring data serves as the foundation for informing the Department's water quality decision-making responsibilities.

"Ambient monitoring" refers to monitoring of general surroundings, and includes the set of activities that provide chemical, physical, geological, and biological data about general conditions in the environment. For the purpose of this strategy, water quality monitoring is limited to those activities involved in the State implementation of the PCA and CWA in inland and coastal waters. "Regulatory monitoring" is the collection and analysis of data needed for establishing environmental quality-based permit requirements and for assessing and enforcing compliance with permits. "Regulatory monitoring" also provides data necessary for addressing environmental quality-based assessments of ambient water related to point source and nonpoint source influences.

In general, the water quality monitoring activities need to answer key questions about the overall quality of waters in South Carolina, changes in water quality over time, where there are problem areas and areas needing additional protection, the level of protection needed, and the effectiveness of specific clean water projects and programs. However, monitoring is actually a multifaceted discipline with many program areas conducting monitoring activities to fulfill specific objectives: fish tissue monitoring to develop, track, and update fish consumption advisories; ocean monitoring to issue timely beach swimming advisories; shellfish sanitation monitoring to determine the

harvesting status of the numerous shellfish beds in the state; macroinvertebrate monitoring to determine the health of biological communities of specific waterbodies; ambient surface water monitoring to assess compliance with water quality standards and examine long-term trends at a variety of scales; ambient groundwater monitoring to assess water quality across the major aquifers of the state (currently suspended); National Pollutant Discharge Elimination System (NPDES) discharge monitoring to ensure facilities are in compliance with their permit limits; and special studies for more intensive investigation of specific issues.

Therefore it is necessary to use these varied monitoring activities as the vehicle for a cohesive, inter-related approach to water quality management via these diverse types of data. It is through the monitoring programs that sample acquisition, data management and reporting, program needs, committed tasks, and other such Departmental functions all meet. Thus, it is at this natural point of confluence that much opportunity is afforded for integration of sometimes apparently non-related tasks or programs into a step-wise, interrelated approach to the protection of water quality in the State. A great deal of attention to each of those "facets" is required in order for the resulting data to be of the most benefit. As a result, many of the aforementioned programs collect additional samples as part of their activities for the analysis of constituents beyond those required to fulfill their specific objectives. For example, beyond the parameters that can be directly compared to numeric state water quality standards, the Ambient Surface Water Physical & Chemical Monitoring program collects information on additional parameters that are used by the NPDES permit writers and the 303(d), Modeling and TMDL Section to define background conditions and to establish limits for what can safely be discharged by a wastewater treatment facility.

1.2 Monitoring Objectives

The information resulting from these monitoring activities are integrated and considered together in various decision-making processes. The incorporation of various data sources allows the Department to address broader objectives. Specific objectives of SCDHEC's water quality monitoring strategy include:

1.2.1 Determining water quality standards attainment

The primary goal is the attainment and maintenance of fishable/swimmable waters wherever possible as mandated by the Clean Water Act (CWA). This includes evaluation of water quality conditions against State Standards, encompassing both numeric and narrative criteria defining designated uses. In evaluating the degree of support of these goals consideration is given to chemical specific data from all components of the Ambient Surface Water Physical & Chemical Monitoring Program, including Chlorophyll Monitoring data, Macroinvertebrate Bioassessment results, the occurrence of fish consumption advisories or shellfish harvesting limitations, and the results of intensive surveys and special water quality studies. The conclusions from such evaluations can range spatially from a much localized stream segment to entire waterbodies, to entire statewide resource condition using the statistical survey monitoring data. The results of such assessments are reported in the *State of South Carolina Integrated Report*, Parts 1 and 2, which addresses related CWA reporting requirements for §303(d), §305(b) and §314. Please refer to the individual program area descriptions that follow for more details and references or links to published documentation. Results from the Ocean Water Monitoring program are used independently in issuing swimming

advisories at coastal beaches.

1.2.2 Identifying impaired waters

Through the water quality standards attainment evaluations, waters or portions of waterbodies may be identified that are not attaining all State Standards. When this evaluation is conducted specifically for the biennial development of the State of South Carolina Integrated Report, such waters are determined to be “impaired” and are included in the section listing impaired waters which serves to address §303(d) reporting requirements of the CWA. The most current version of the *State of South Carolina Integrated Report Part I: Listing of Impaired Waters* can be found at <http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/>.

1.2.3 Identifying causes and sources of water quality impairments

The process of determining water quality standards attainment and identifying impaired waters establishes a reason for listing a waterbody as impaired. In many cases it is a physical or chemical parameter that is not in compliance with the State Standards, or the cause of nonsupport, and work begins to identify the source from which it originates. In other cases the reason for listing may be more complex, such as alteration to the aquatic macroinvertebrate community, and the specific cause for the alteration may not be immediately apparent. In such instances a specific cause must be identified before a source can be targeted for control. In instances where a cause of impairment or source for the cause is not readily apparent special studies or intensive surveys may be designed to help determine the causes and sources of nonsupport of designated uses. The data typically collected during such surveys can be physical and chemical water quality parameters, hydraulic stream characteristics, biological community sampling, and effluent and compliance sampling.

1.2.4 Establishing, reviewing, and revising water quality standards

Data collected by the monitoring activities are used in the development of designated use classifications and water quality standards, which are in turn used to establish waterbody-specific use classifications. Review of these ambient data help determine if existing water quality in a classified water is adequate to protect existing and designated uses and if appropriate standards have been set. Used in such a manner, ambient data provide valuable feedback to the NPDES permit writing sections as an indication of the need for further discharge restrictions.

The ambient data serve to help the refinement of standards and use classifications and, in the absence of numeric criteria, identify and establish appropriate background levels to set standards for additional pollutants. One example was the development of ecoregion specific numeric nutrient and chlorophyll standards for lakes and reservoirs. Ambient data collected statewide as part of the Ambient Surface Water Physical & Chemical Monitoring and Chlorophyll Monitoring programs over a period of many years was used as the basis for identifying ecoregional differences and ranges and were eventually used to set the final numeric standards. A similar process is underway to develop numeric nutrient and chlorophyll standards for estuarine waters. Another example is the recent development of *Escherichia coli* standards for freshwater to replace the existing fecal coliform bacteria standards. Weekly sampling at 74 monitoring sites in a variety of settings across the state formed the basis for the new *E. coli* standards.

1.2.5 Supporting the implementation of water management programs

The SCDHEC Bureau of Water focuses its program activities using a Watershed Water Quality Management approach. Watershed water quality management recognizes the interdependence of water quality and all the activities that occur in the associated drainage basin including point source discharges, nonpoint source contributions, and land use characteristics. SCDHEC's Watershed Water Quality Management approach is dependent upon water quality data as the foundation for development of watershed management plans and implementation strategies. These strategies serve to refocus water quality protection efforts including monitoring, assessment, problem identification and prioritization, wasteload allocation monitoring, planning, permitting, and other agency activities.

1.2.6 Supporting the evaluation of program effectiveness

By integrating all of the monitoring activities described herein it is possible to identify the sources of pollution and the reasons for nonattainment of designated uses, to address specific issues, determine the efficiency of pollution abatement programs, and allow administrative overview of program effectiveness.

1.2.7 Monitoring for Water Quality-Based Controls

The development of discharge controls based on receiving waterbody quality is a very high priority. It involves the collection and analysis of effluent and ambient data to develop water quality-based National Pollutant Discharge Elimination System (NPDES) permit limits. This may involve the calculation of Total Maximum Daily Loads (TMDL) for specific waterbodies and Wasteload Allocations (WLA) for point source discharges.

SCDHEC uses long-term ambient monitoring data and special study data, including intensive survey data, in developing WLAs and TMDLs. The kinds of data collected for this type of monitoring may include physical and chemical characterization of effluent and receiving waters, stream hydraulics, macroinvertebrate and fish community assessment of the receiving stream, periphyton/phytoplankton sampling, and toxicity bioassays of effluents and receiving waters.

The data are used by the 303(d), Modeling, and TMDL Section in predictive mathematical models to help determine waste treatment levels needed to maintain instream standards. The modeling results are then passed to engineers in the Water Facilities Permitting, and Dams Safety and Stormwater, Permitting, and Monitoring, Assessment and Protection Divisions to be used as the basis for setting final NPDES permit limits. The ambient monitoring data are also used directly by the engineers the Water Facilities Permitting, and Dams Safety and Stormwater Permitting, Divisions to establish background conditions for conservative and/or toxic pollutant NPDES permit limits.

1.2.8 Monitoring for NPDES Permit Compliance and Enforcement

The NPDES permit is the principal regulatory tool for controlling the quantity of pollutants discharged to the State's waters and for obtaining data on point-source discharges. Data supplied by the discharger in the form of routine Discharge Monitoring Reports (DMR) and data collected by SCDHEC personnel from Compliance Sampling Inspections (State CSI and Federal Compliance

Sampling Inspection), Federal Compliance Evaluation Inspections (CEI), State Operation and Maintenance Inspections (O&M), Performance Audit Inspections (PAI), Technical Assistance Evaluations (TAE), and Pretreatment Program Audit and Inspections are reviewed by the Water Pollution Compliance and Water Pollution Enforcement Sections to determine the compliance status of a discharger.

In all instances of effluent noncompliance, enforcement actions are supported by all of the above data supplied by the Water Pollution Compliance and Water Pollution Enforcement Sections and all ambient monitoring, special studies, and biological monitoring data supplied by the Aquatic Science Programs. The Bureau of Environmental Health Services personnel conduct the majority of the routine inspections and physicochemical ambient monitoring activities. Data secured and supplied by these monitoring activities are utilized in the majority of SCDHEC's Environmental Affairs enforcement activities.

1.2.9 Making Data Readily Available

The last major consideration that has been given to developing a successful monitoring program by South Carolina is the identification of the users of data or the sources of data requests. In South Carolina, this group is quite diverse ranging from individual citizens to interested public groups to various local/state/federal agencies. Data users are:

- Departmental program areas (e.g., domestic wastewater engineers)
- Water quality trend/ambient condition analysts
- Wasteload allocation analysts
- Public/private environmental groups
- Public at large
- Other local/state/federal agencies (regulatory & non-regulatory)
- Departmental administrators via program area outputs

While this large group utilizes the data for different reasons, the Department uses and applies the data to the intermediate objectives and goals as previously discussed. This is done to ascertain whether progress is being made toward successful achievement of these goals and to make correct and appropriate decisions regarding maintenance and enhancement of desirable environmental quality in the State.

Implicit in the identification of users of the data, whether in-Department or out-of-Department, is the capacity to communicate the data to interested parties efficiently and accurately. The SC Watershed Atlas (<https://gis.dhec.sc.gov/watersheds/>) presents summary information from a large variety of Bureau of Water programs on a state map format, with links to many reports and detailed information on the different map features. Technical reports or internal memoranda are produced for every special study and copies are available to any interested organization or persons. A list of technical reports is available upon request. The reports required under CWA §303(d) and §305(b) are available on the SCDHEC website, <http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/>. Raw data from the Ambient Surface Water Physical & Chemical Monitoring, Ocean Water Monitoring, and Groundwater Monitoring activities are available online in the National Water Quality Monitoring

Council's Water Quality Portal water quality database at <https://www.waterqualitydata.us/>. Special studies and biological data are available in several formats through the Aquatic Science Programs. Specific data storage guidelines are addressed in the data management section of each type of monitoring design.

Thus, water quality assessment is a broad term describing a multitude of monitoring and sampling activities. Water quality assessment data can be used to fulfill a variety of goals; assessment of current conditions, assessment of long-term trends, determination of priority waterbodies, determination of waterbody designated use attainment or nonsupport, and identification of continuing or emerging problem areas.

By integrating all of these monitoring programs it is possible to identify the sources of pollution and the reasons for nonattainment of designated uses, to address specific issues, determine the efficiency of pollution abatement programs, and allow administrative overview of program effectiveness.

1.3 Project Organization

To accomplish the objectives of the State of South Carolina Monitoring Strategy several key individuals are identified below with their role and responsibilities.

1.3.1 Program Coordinator/Project Manager (Central Office)

The Program Coordinator/Project Manager is responsible for the oversight of the Ambient Water Quality Monitoring Program. This includes insuring consistency between Regional Offices and resolving any discrepancies in the sampling and notification programs. The Program Coordinator is also responsible for the overall data management and reporting to EPA. The Program Coordinator reports directly to management.

1.3.2 Manager, Quality Assurance Manager (Central Office)

The Quality Assurance Manager (QAM) is responsible for the oversight of all quality assurance activities associated with the DHEC sampling and analysis SOPs. The QAM will resolve any issues when corrective actions are needed to address data quality issues involving DHEC staff and SOPs. The QAM reports directly to management.

1.3.3 Monitoring Program Manager (Central/Regional Offices)

Each Monitoring Program Manager is responsible for local oversight of the ambient water quality monitoring program. Program Managers insure sampling is conducted as outlined in the Monitoring Strategy and report any problems to the Program Coordinator. The Monitoring Program Manager reports directly to management.

1.3.4 Laboratory Manager (Central/Regional Offices)

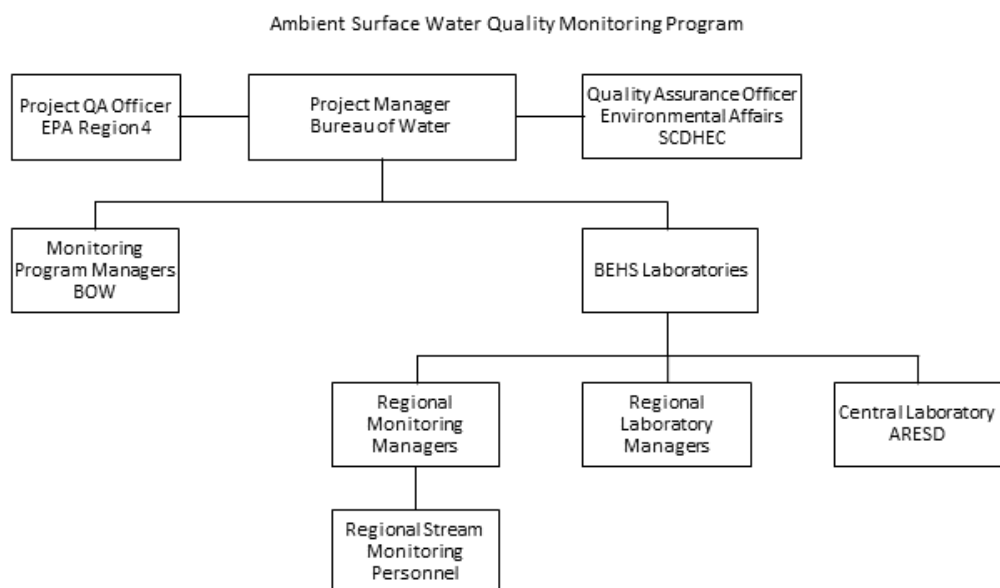
Each Laboratory Manager is responsible for overseeing the operations of the laboratory and assuring compliance with laboratory SOPs and quality control procedures. Laboratory Managers review,

verify, and release lab data from the laboratory. Laboratory Managers report directly to management.

1.3.5 Monitoring Personnel (Central/Regional Offices)

Monitoring personnel are responsible for proper sample collection and transport of samples by adhering to applicable SOPs. Monitoring staff report to the Central/Regional Office Program Manager.

1.3.6 Project Organizational Chart Ambient Surface Water Quality Monitoring Program



1.4 Project/Task Description

1.4.1 USEPA Elements of a State Water Monitoring and Assessment Program

CWA Section 106(e)(1) requires the Environmental Protection Agency (EPA) to determine that a State is monitoring the quality of navigable waters, compiling, and analyzing data on water quality and including it in the State's Section §305(b) report prior to the award of Section §106 grant funds. The USEPA Elements of a State Water Monitoring and Assessment Program is meant to serve as the framework for evaluating how state monitoring programs accomplish this task. The individual Elements identified in the EPA document that a state program should address include:

- Monitoring Program Strategy
- Monitoring Objectives
- Monitoring Design
- Core and Supplemental Water Quality Indicators
- Quality Assurance

- Data Management
- Data Analysis/Assessment
- Reporting
- Programmatic Evaluation
- General Support and Infrastructure Planning

It is therefore primarily directed at monitoring activities used to address the determination of designated use support from the viewpoint of §303(d) and §305(b) of the CWA, and specifically to ambient monitoring activities as opposed to compliance related monitoring.

As alluded to above and described in more detail in the following sections of this document, the Department conducts a great deal of additional water monitoring, that while not specifically used for those purposes, is nonetheless critical to carrying out the overall mission of protection and restoration of water quality in the State. Some of the Elements can be broadly applied to all of the Department's ambient monitoring activities, others are more appropriately addressed by the individual program area, and some are applicable at both levels. For example, the Department's overall objectives are general and applicable to multiple program outcomes, but each program may also have very specific objectives for their monitoring activities. The monitoring design may be different for different programs and some programs may employ more than one monitoring design to accomplish multiple objectives. Therefore each ambient monitoring program area is organized with sections titled by Element and some of these sections may refer to a separate encompassing discussion of specific Elements.

1.4.2 Core and Supplemental Water Quality Indicators (Measurements)

Water quality indicators are the means to measure achievement of desired designated uses such as support and maintenance of aquatic life, suitability for recreation, and fish and shellfish consumption.

Core indicators are considered most important for directly assessing water quality standards (WQS) attainment as they relate to the designated uses. The set of core indicators is generally used for initial water quality assessments and are applied consistently over broad scales, e.g. statewide. The core set of indicators usually includes physical, chemical, and biological measures of a waterbody (Table 1).

Supplemental indicators generally do not have specific water quality standards but may help suggest sources that might cause or contribute to nonattainment of designated uses (Table 1). They can be pollutants that lack numeric water quality standards but may be indicative of specific activities such as certain manufacturing processes, agricultural practices, current land-use patterns (i.e. type and amount of development), or historic conditions that are no longer present. See Intensive Surveys and Special Water Quality Studies section for further discussion of selection of supplemental indicators.

Assessment of designated use support often includes the use of data generated by multiple programs. More comprehensive lists of indicators are addressed under individual program descriptions.

1.4.3 Data and Field Quality Objectives and Criteria

Program specific requirements for data quality objectives and assessment methodology are included in the “Data Analysis/Assessment” discussions in Sections 2.1 through 2.5. The formal Data Quality Objectives process includes the following steps:

1. State the problem
2. Identify the decision
3. Identify inputs to the decision
4. Define the study boundaries
5. Develop a decision rule
6. Specify tolerable limits on decision error
7. Optimize the design

This document serves as an umbrella type Quality Assurance Project Plan that describes the entire ambient monitoring program. While steps 1 and 2 are largely mandated by the USEPA, specific SCDHEC objectives are detailed in section 1.2.

Samples are collected and field measurements conducted by Bureau of Environmental Health Services personnel from the corresponding SCDHEC Regional Laboratory Office following the most current revision of SCDHEC’s EA Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, BEHSPROC 200 - Ambient Surface Water Sampling, BEHSPROC 201- Field Temperature Measurement in Surface Water, BEHSPROC 202 - Field Dissolved Oxygen Measurement in Surface Water, BEHSPROC 203 - Field pH Measurement in Surface Water, BEHSPROC 204 - Field Specific Conductance Measurement in Surface Water, and BEHSPROC 205 - Multi-Parameter Field Measurements in Surface Water, as appropriate.

The Bureau of Environmental Health Services, Analytical and Radiological Environmental Services Division laboratories analyze the resulting chemical and microbiological samples. These data provide step 3 – inputs to the decision. Specific performance and measurement criteria are addressed in each field and analytical SOP. Acceptance criteria for reporting results are also stated in each SOP. Detection limits for all analytical measurements may be referenced in Section IV-J of the most current revision of SCDHEC’s Procedures and Quality Control Manual for Chemistry Laboratories. SOP II, Quality Assurance of Analytical Performance A of the lab manual addresses control of analytical performance. Precision, accuracy, data verification, data quality audits, corrective actions, evaluating statistical control, and anomaly determination are covered. SOP II, Quality Assurance/Quality Control Plan of the most current revision of SCDHEC’s Laboratory Procedures Manual for Environmental Microbiology, covers similar details for microbiological analyses. The QA Policy and criteria for assessing data quality is discussed in Section 3 of the most current revision of SCDHEC’s EA Environmental Investigations Standard Operating Procedures and Quality Assurance Manual and also in the SCDHEC EA Quality Management Plan. Training requirements for field and lab staff and a list of documents and records maintained is discussed in Section 2.7 of this strategy.

Table 1 below gives a general overview of the Core and Supplemental Indicators that may be

routinely collected and analyzed. Greater detail is included in Appendix D.

The study boundary, Step 4, is the entire state of South Carolina. Detailed lists of the monitoring site locations are included in Appendices A, E, F, G, and H.

The Assessment Methodology applied as the decision rule, Step 5, is documented in the most current version of the *State of South Carolina Integrated Report Part I: Listing of Impaired Waters*, updated biennially, available on the SCDHEC website at <http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/>.

Steps 6 and 7 document the consequences of decision error and how to optimize the design to avoid making an erroneous decision. Section 2.1.12 details the consequences of that decision error for ambient chemical and microbiological data, Section 2.3.1.6 addresses macroinvertebrate data, and Section 2.3.2.3 addresses fish tissue data. Optimizing the design from step 7 includes corrective actions to avoid decision error.

Table 1. Core and Supplemental Indicators

Core and Supplemental Indicators				
	Aquatic Life Use Support	Recreational Use Support	Fish Consumption	Shellfish Consumption
Core Indicators	Dissolved Oxygen pH Turbidity Ammonia Nitrogen Cadmium Chromium Copper Lead Mercury Nickel Zinc Additional indicators for selected wadeable stream sites: Macroinvertebrate community condition Habitat assessment Additional indicators for lakes: Chlorophyll-a Total Nitrogen (Nitrate/Nitrite Nitrogen + Total Kjeldahl Nitrogen) Total Phosphorus	<i>E. coli</i> Bacteria <i>Enterococcus</i> Bacteria	Mercury in fish tissue	Fecal Coliform Bacteria

Table 1. Core and Supplemental Indicators (Cont.)

Core and Supplemental Indicators				
	Aquatic Life Use Support	Recreational Use Support	Fish Consumption	Shellfish Consumption
Supplemental Indicators	Water Temperature Air Temperature Depth of Sample Collection Five-Day Biochemical Oxygen Demand Nitrate/Nitrite Nitrogen Total Kjeldahl Nitrogen Total Phosphorus Alkalinity Iron Manganese Total Suspended Solids Additional indicators at freshwater sites where metals are collected: Hardness Additional indicators for lakes: Transparency (Secchi depth) Additional indicators at saltwater sites: Tide Stage Specific Conductance Salinity Other chemicals of concern in water column or sediment	Other chemicals of concern in water column or sediment	Other chemicals of concern in fish tissue, water column or sediment	Other chemicals of concern in water column or sediment

2.0 AMBIENT WATER QUALITY MONITORING SAMPLING DESIGN

Ambient Water Quality Monitoring activities are carried out as part of several different program areas, each with specific monitoring objectives. In addition to the core data required to accomplish the individual program goals, additional ancillary data are often collected that are necessary to other program areas and broader Environmental Affairs (EA) objectives. Much of the data collected serves multiple purposes, being used by many program areas to address several EA needs. The overall purpose of Ambient Water Quality Monitoring is to provide a system of monitoring activities that produces well defined data reflecting a variety of water quality conditions, physical, chemical, and biological, in the major water resources of South Carolina, including streams, reservoirs, estuaries, and groundwater aquifers.

All sampling procedures and analyses are performed in accordance with the Quality Assurance Manager (QAM). All sample collection procedures follow the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Sections 3, 7, 14, and 19. All laboratory analyses are performed according to the most current revisions of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--ARESD and Laboratory Procedures Manual for Environmental Microbiology--ARESD.

2.1 Ambient Surface Water Physical & Chemical Discrete Monitoring

2.1.1 Monitoring Objectives

The purpose of the Ambient Surface Water Physical & Chemical Monitoring Network is to provide a system of monitoring sites that are sampled in a way that produces well defined data reflecting physical and chemical conditions of the streams, reservoirs and estuaries in South Carolina.

2.1.2 Monitoring Design

There are currently two major components to Surface Water Physical & Chemical Monitoring, including ongoing fixed-location monitoring and statewide statistical survey monitoring; each designed to provide data for water quality assessment of major water resource types at different spatial and temporal scales.

The fixed-location component of the monitoring network is comprised of Base Sites that are generally sampled once per month, year-round. Statistical Survey Monitoring Sites are typically sampled once per month for one year and moved from year to year. These basic components are discussed in the following sections.

2.1.2.1 Base Sites

Base Sites represent the base network of 243 permanent, fixed-location, monitoring sites (Figure 1). Base Sites are sampled monthly, year-round, over an extended period of time, in a uniform

manner to provide solid baseline data. Base Sites were chosen to target the most downstream access (pour point) of each of the National Watershed Boundary Dataset (WBD) 10-digit watershed units (WSU) in the state, as well as the major waterbody types that occur within these WSUs. In some years individual Base Sites may satisfy the requirements of Statistical Survey Monitoring Sites (see Section 2.1.2.3 below) and are sampled monthly as part of that monitoring component or may represent Waters of Concern (see Section 2.1.2.4).

For example, where a WSU ends in a major reservoir, a Base Site is placed in the impounded area to represent reservoir conditions, and another Base Site is generally placed in the main stream feeding that part of the reservoir to represent conditions in the free-flowing portion of the WSU. Similarly, in a primarily riverine WSU ending in estuarine areas at the coast, Base Sites may be placed in both the free-flowing freshwater portion as well as the saltwater area to represent conditions in both habitats. The result is consistent data from all WSUs in the state that can be used in tracking standards compliance and long-term trends.

Samples are collected and field measurements conducted by Bureau of Environmental Health Services personnel from the corresponding SCDHEC Field Laboratory Office following the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Sections 3, 7, 14, and 19. All laboratory analyses are performed according to the most current revisions of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--ARESD and Laboratory Procedures Manual for Environmental Microbiology--ARESD. The number of monthly Base Sites per Field Laboratory Office for 2019 is:

Greenville	40	Florence	44
Aiken	29	Columbia	30
Charleston	29	Lancaster	31
Beaufort	28		

In addition, 4 Base Sites are collected by the Santee Cooper Public Service Authority in a cooperative effort.

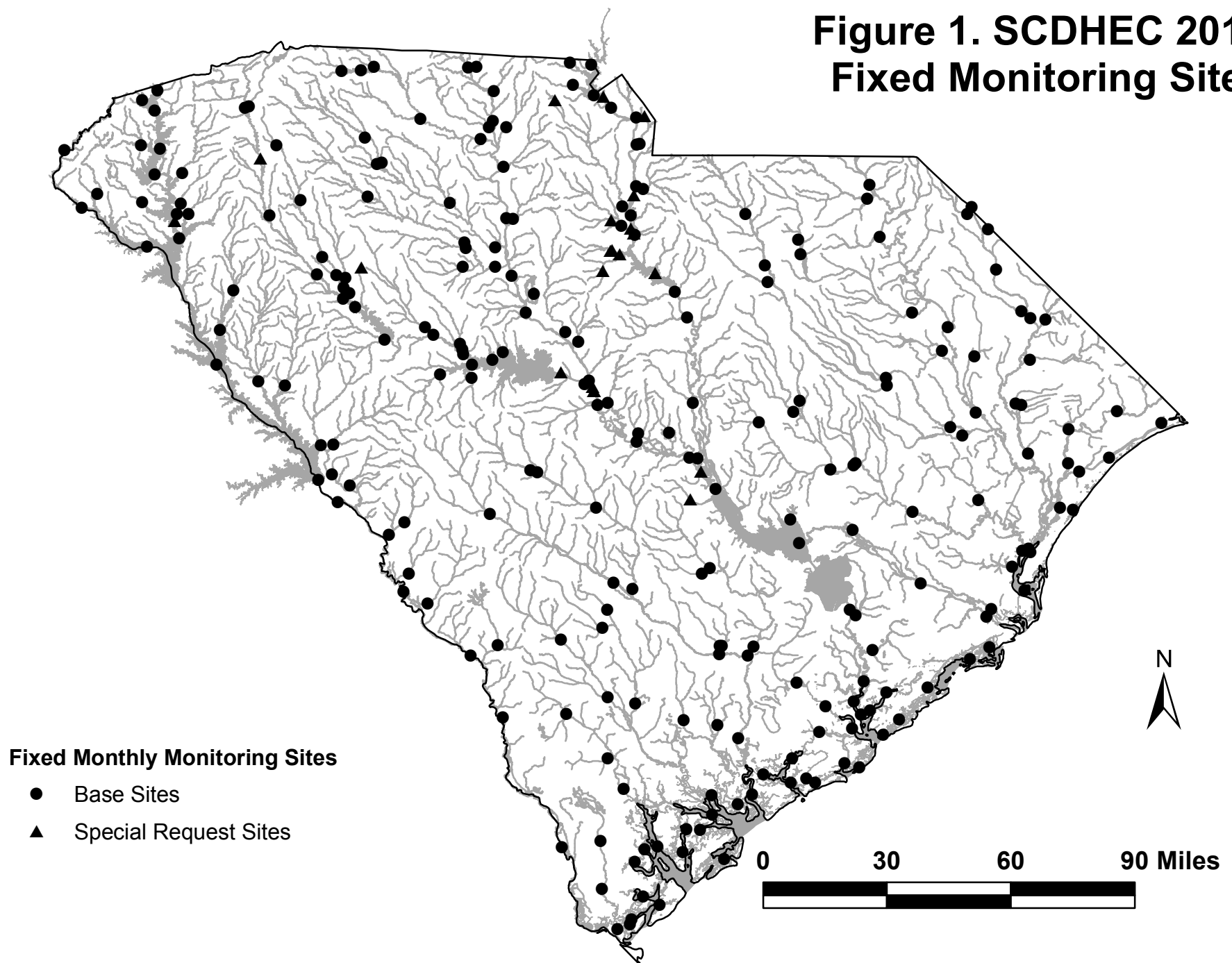
Base Sites and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and STORET parameter codes are given in Appendices C and D.

2.1.2.2 Special Request Sites

Special Request Sites are temporary fixed-location sites that target locations of special interest to the Department related to specific data needs. Examples of site selection criteria for establishment of Special Request Sites includes, but is not restricted to:

1. To track the progress of specific remediation activities.
2. To gather additional data in specific areas for the development of total Maximum Daily Loads (TMDLs).

**Figure 1. SCDHEC 2019
Fixed Monitoring Sites**



3. To gather data for Wasteload Allocation modeling needs.
4. To obtain data necessary for setting NPDES permit limits.

Special Request Sites are also sampled monthly, year-round, over a finite time period.

Samples are collected and field measurements conducted by Bureau of Environmental Health Services personnel from the corresponding SCDHEC Field Laboratory Office following the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Sections 3, 7, 14, and 19. All laboratory analyses are performed according to the most current revisions of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--ARESD and Laboratory Procedures Manual for Environmental Microbiology--ARESD. For 2019 there are 21 Special Request Sites (Figure 1) distributed amongst the Field Laboratory Offices as follows:

Greenville	3	Florence	0
Aiken	1	Columbia	10
Charleston	0	Lancaster	7
Beaufort	0		

Special Request Sites and descriptions are listed by field laboratory in Appendix A, and by water body name in Appendix B. Parameter coverage, sampling frequency, and STORET parameter codes are given in Appendices C and D.

2.1.2.3 Statistical Survey Monitoring Sites

Statistical survey monitoring is a design in which the population of interest is sampled in a fashion that allows statements to be made about the whole population based on a subsample and produces an estimate of the accuracy of the assessment results. The advantage of the statistical survey sampling design is that statistically valid statements about water quality can be made about large areas based on a relatively small subsample. Statistical survey water quality data can be used to make inferences, with known confidence, about the condition of the water resources of the State.

A statewide statistical survey, or random sampling, component is part of the Ambient Surface Water Quality Monitoring Network. Separate monitoring schemes have been developed for stream, lake/reservoir, and estuarine resources to represent the entirety of each resource type as described below. Each year a new set of statistical survey sites is selected for each waterbody type. Site selection is done in association with the U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory (NHEERL), Corvallis, Oregon. Although statements about resource conditions can theoretically be made based on data from a single year, the compilation of data from additional years will increase the confidence and accuracy of statements about water quality. An additional advantage of the statistical survey approach is that it presents the opportunity for previously unsampled locations to be selected for data collection.

Streams

Approximately 30 statistical survey sites will be sampled in streams each year (Figure 2). Some of the statistical survey locations may correspond to existing fixed Base Sites. Each statistical survey site will be sampled monthly for one year and will be prioritized for a macroinvertebrate community and habitat analysis. Streams of different sizes may be more or less sensitive to different types of environmental perturbations. Because of this, three stream sizes have been specifically targeted to ensure they are represented in the selected statistical survey sites.

1. First Order streams, or headwater streams, are targeted because these represent streams with the least dilution capacity and therefore are most immediately impacted by adjacent land use activities and associated runoff. These streams may also serve as spawning areas for fish and refuge areas for young from larger aquatic predators.
2. Second and Third Order streams, which are also streams with relatively small dilution capacity and represent important habitat for reproduction and survival of aquatic life. They may also reflect the direct impacts of major land use activities.
3. Fourth Order and larger streams, which include the major rivers of the State. In general these streams have greater dilution capacity and are less affected by small-scale land use perturbations and may be heavily utilized for contact recreation.

These different sizes do not occur in equal proportions in the state, therefore an unequal weighting procedure is used in the site selection process to guarantee inclusion of all three sizes. Taken together and using the proper weighting factors, the random stream sites can be used to make statistically valid statements about all stream resources of the State.

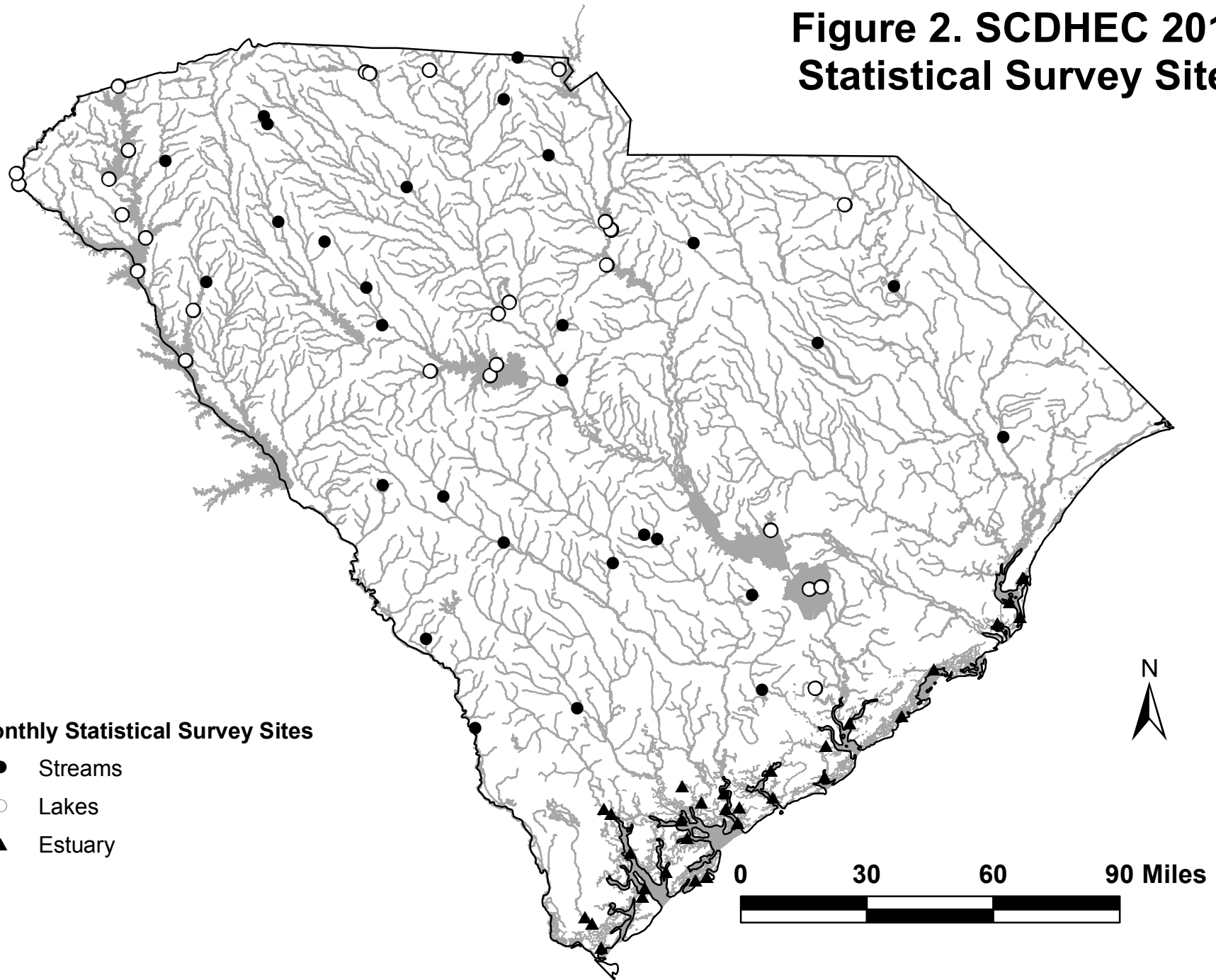
Samples are collected and field measurements conducted by Bureau of Environmental Health Services personnel from the corresponding SCDHEC Field Laboratory Office following the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Sections 3, 7, 14, and 19. All laboratory analyses are performed according to the most current revisions of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--ARESD and Laboratory Procedures Manual for Environmental Microbiology-- ARESD. The 2019 Statistical survey Stream Sites are distributed by Field Laboratory Offices as follows:

Greenville	8	Florence	3
Aiken	9	Columbia	3
Charleston	1	Lancaster	5
Beaufort	1		

**Figure 2. SCDHEC 2019
Statistical Survey Sites**

Monthly Statistical Survey Sites

- Streams
- Lakes
- ▲ Estuary



Statistical survey Stream Sites and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and STORET parameter codes are given in Appendices C and D.

Lakes/Reservoirs

Approximately 30 statistical survey sites will be sampled in lakes/reservoirs each year (Figure 2). Some of the statistical survey locations may correspond to existing fixed Base Sites. Each statistical survey site will be sampled monthly for one year. Eligible lakes/reservoirs are restricted to “significant lakes”, which refers to those freshwater lakes/reservoirs with at least 40 acres surface area that offer unrestricted public access. The size of significant lakes/reservoirs varies immensely; therefore two size classes of lakes/reservoirs have been specifically targeted to ensure that the smaller lakes/reservoirs are represented in the selected statistical survey sites.

1. Major Lakes/Reservoirs greater than 850 acres surface area.
2. Minor Lakes/Reservoirs greater than 40 acres surface area, but less than or equal to 850 acres.

These different sizes do not occur in equal proportions in the state, therefore an unequal weighting procedure is used in the site selection process to guarantee inclusion of both sizes. Taken together and using the proper weighting factors, the statistical survey lake/reservoir sites can be used to make statistically valid statements about all lake/reservoir resources of the State.

Samples are collected and field measurements conducted by Bureau of Environmental Health Services personnel from the corresponding SCDHEC Field Laboratory Office following the most current revision of SCDHEC’s Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Sections 3, 7, 14, and 19. All laboratory analyses are performed according to the most current revisions of SCDHEC’s Procedures and Quality Control Manual for Chemistry Laboratories--ARESD and Laboratory Procedures Manual for Environmental Microbiology--ARESD. The 2019 Statistical survey Lake/Reservoir Site network is regionally organized with the following assignments:

Greenville	12	Florence	0
Aiken	1	Columbia	5
Charleston	1	Lancaster	6
Beaufort	0		

In addition, 5 Statistical survey Lake/Reservoir Sites will be collected by the Santee Cooper Public Service Authority in a cooperative effort. Statistical survey Lake/Reservoir Sites and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and STORET parameter codes are given in Appendices C and D.

Estuaries

The coastal estuarine statistical survey monitoring scheme has been developed jointly by SCDHEC, Bureau of Water, and the South Carolina Department of Natural Resources (SCDNR), Marine Resources Research Institute (MRRI). This effort has been dubbed the South Carolina Estuarine and Coastal Assessment Program (SCECAP) and sampling of the statistical survey coastal estuarine sites is a cooperative venture between SCDHEC and SCDNR-MRRI. To ensure inclusion of a variety of estuarine ecosystems and habitats, the coastal estuaries have been divided into two discrete categories (strata) based on a common GIS cover developed and utilized by both agencies.

1. Tidal Creeks, identified as less than 100 meters wide on the GIS cover, serve as nursery areas for important marine species and are most immediately affected by upland land use activities and associated runoff.
2. Open Water areas, identified as greater than 100 meters wide on the GIS cover, represent larger estuarine rivers and sounds.

Within these waterbody types there are typically two distinct types of monitoring sites based on sampling frequency, Core Sites and Supplemental Sites. Core Sites (Figure 2) are sampled monthly for one year by SCDHEC Bureau of Environmental Health Services personnel from the corresponding SCDHEC Field Laboratory Office for water column physical and chemical parameters following the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Sections 3, 7, 14, and 19. All laboratory analyses are performed according to the most current revisions of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--ARESD and Laboratory Procedures Manual for Environmental Microbiology--ARESD. SCDNR-MRRI samples annually for sediment chemistry, sediment physical characteristics, sediment toxicity, benthic infaunal community composition, up to 25-hour multi-parameter datasonde deployments, and fish trawls following the QAPP developed for the USEPA National Coastal Assessment Program. SCDNR-MRRI also collects additional water samples in SCDHEC supplied containers for analysis by SCDHEC according to the most current revisions of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--ARESD and Laboratory Procedures Manual for Environmental Microbiology--ARESD.

When resources are available, additional Supplemental Sites may be selected and sampled. The Supplemental Sites are sampled one time by SCDNR-MRRI for sediment chemistry, sediment physical characteristics, sediment toxicity, benthic infaunal community structure, up to 25-hour multi-parameter datasonde deployments, and fish trawls.

Each year there will be approximately 15 Core Tidal Creek sites, 15 Core Open Water sites, and when resources are available, additional Supplemental Tidal Creek and Open Water sites may be sampled. Some of the statistical survey locations may correspond to existing fixed Base Sites.

The total number of Core 2019 Statistical survey Estuary Sites is distributed between three Field Laboratory Offices with the following assignments:

Charleston	7	Florence	4
Beaufort	19		

Core Tide Creek and Core Open Water Sites and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and STORET parameter codes are given in Appendices C and D.

2.1.2.4 Waters of Concern Monitoring Sites

There are 166 identified Waters of Concern (Figure 3). Waters of Concern represent legacy monitoring sites that are no longer actively being sampled that old data suggest may have water quality concerns but lack the necessary ancillary data to properly calculate the appropriate water quality standard. These sites are now going to be actively sampled again to compile a more current, complete, dataset to re-evaluate water quality condition.

Greenville	24	Florence	20
Aiken	13	Columbia	15
Charleston	2	Lancaster	23
Beaufort	1	ASP	3

Waters of Concern and location descriptions are listed by Field Laboratory Office in Appendix A, and by waterbody name in Appendix B. Parameter coverage, frequency of analysis, and STORET parameter codes are given in Appendices C and D.

2.1.3 Schedule for the Ambient Surface Water Quality Monitoring Program for Calendar Year 2019 by Field Laboratory Office

The following is the schedule for collection of non-monthly parameters for each Regional Laboratory Office. The schedule includes the number of each type of sample to be collected, and it also includes the month(s) for collection. All other parameters, with the exception of chlorophyll *a*, are collected every month. Please refer to Appendix C and Appendix D for details relevant to specific parameters for each station.

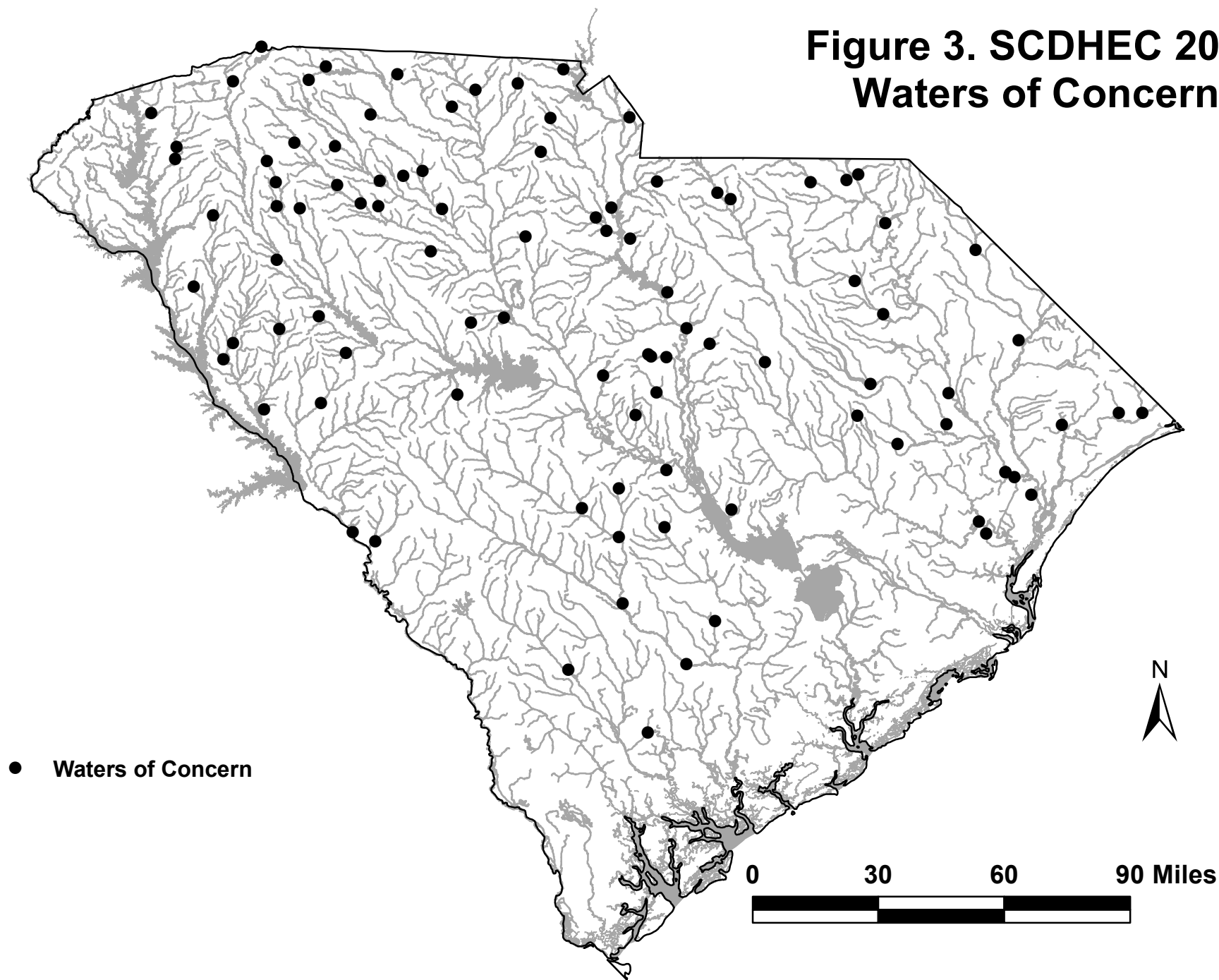
Lab: Greenville

Permanent Year-Round Surface Sites
Base and Special Request-- 43 Total

Statistical Survey Surface Sites -- 20 Total

Waters of Concern -- 24

**Figure 3. SCDHEC 2019
Waters of Concern**



Lab: Aiken

Permanent Year-Round Surface Sites
Base and Special Request -- 30 Total

Statistical Survey Surface Sites -- 10 Total

Waters of Concern -- 13

Lab: Charleston

Permanent Year-Round Surface Sites
Base and Special Request -- 29 Total

Statistical Survey Surface Sites -- 9 Total

Waters of Concern -- 2

Lab: Florence

Permanent Year-Round Surface Sites
Base and Special Request -- 44 Total

Statistical Survey Surface Sites -- 7 Total

Waters of Concern -- 20

Lab: Columbia

Permanent Year-Round Surface Sites
Base and Special Request -- 40 Total

Statistical Survey Surface Sites -- 8 Total

Waters of Concern -- 15

Lab: Lancaster

Permanent Year-Round Surface Sites
Base and Special Request -- 38 Total

Statistical Survey Surface Sites -- 11 Total

Waters of Concern -- 23

Lab: Beaufort

Permanent Year-Round Surface Sites
Base and Special Request -- 28 Total

Statistical Survey Surface Sites -- 28 Total

Waters of Concern -- 1

2.1.4 Core and Supplemental Water Quality Indicators

Table 1 lists the primary Core Indicators used in making use support determinations and additional Supplemental Indicators that are also collected. Because of the statewide scale of the routine surface water monitoring program, the choice of supplemental indicators is dictated by laboratory capacity and resources, and the general utility of the resulting data in identifying potential sources contributing to nonattainment of designated uses on a large scale. Assessment of designated use support often includes the use of data generated by other Ambient Water Quality Monitoring programs detailed in the following sections.

Appendix D provides a more detailed list of the basic parameters measured customarily as part of routine Surface Water Physical & Chemical Monitoring activities. Detailed information for individual monitoring locations is included in Appendix C.

2.1.5 Quality Assurance

All sampling procedures and analyses are performed under the SCDHEC Quality System which is described in the USEPA approved Quality Management Plan For S.C. DHEC, with the supervision of the Quality Assurance Manager (QAM) and all procedures follow the most current revisions of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Sections 3, 7, 14, and 19, BEHSPROC 200 - Ambient Surface Water Sampling, BEHSPROC 201- Field Temperature Measurement in Surface Water, BEHSPROC 202 - Field Dissolved Oxygen Measurement in Surface Water, BEHSPROC 203 - Field pH Measurement in Surface Water, BEHSPROC 204 - Field Specific Conductance Measurement in Surface Water, and BEHSPROC 205 - Multi-Parameter Field Measurements in Surface Water, as appropriate, and Procedures and Quality Control Manual for Chemistry Laboratories--ARESD, and Laboratory Procedures Manual for Environmental Microbiology-- ARESD. Please see Section 2.7 of this strategy, Quality Assurance/Quality Control Procedures, for further details.

2.1.6 Data Management

Routine ambient stream samples are collected by Regional Office personnel with some analyses conducted in the Regional Laboratories and others by the Central Laboratory. Data for samples that are analyzed in the Regional Laboratories are reported on the appropriate data sheets and released by the sample custodian for the region. These data sheets are sent to the Analytical and Radiological Environmental Services Division in Columbia where they are sent to the appropriate program areas.

All Ambient Surface Water Physical & Chemical Monitoring data are received by Aquatic Science Programs from the Data Management Section, Bureau of Environmental Health Services. The data are reviewed, edited and stored into the IMAP database. The Aquatic Science Programs performs a 10 percent review of all data to ensure quality assurance of the data. The data are uploaded to the National Water Quality Monitoring Council's Water Quality Portal water quality database at <https://www.waterqualitydata.us/>. Data sheets are kept on file in the Aquatic Science Programs.

2.1.7 Data Analysis/Assessment

The SCDEHC data analysis and assessment methodology used to make attainment decisions about State waters is included as part of the Integrated Report, which is submitted to EPA on even numbered years for review and approval. The most recent version is published in the most current version of the *State of South Carolina Integrated Report Part I: Listing of Impaired Waters* which can be found on the SCDHEC website at <http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/>. Specific limits on assessment decision rules are listed below.

2.1.8 Reporting

Data generated by the Ambient Surface Water Physical & Chemical Monitoring Program are used routinely in the preparation of the biennial Integrated Report, which addresses Clean Water Act §303(d), §305(b), and §314 reporting requirements. These reports are available on the SCDHEC website <http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/>.

These data are internally and publicly available and may be used by other program areas for other purposes, including triennial water quality standards reviews, use attainability analyses (UAAs), standards revisions, water quality based effluent limits (WQBELs) in permits, total maximum daily loads (TMDLs), nonpoint source programs, and other watershed plans.

Limits on Assessment Decision Rules

Parameter	Parameter Range	Null Hypothesis	Tolerable Limit	Consequence of Decision Error	Corrective Action	Gray Region	Probability Value
Chemical	Most current South Carolina Regulation 61-68 Water Classifications and Standards Most current South Carolina Regulation 61-69 Classified Waters	Waterbody does not exceed criteria	For conventional pollutants 90% of data points fall within criteria For potentially toxic pollutants no more than 2 samples exceed appropriate chronic or acute criteria	Place on §303(d) list erroneously	Additional data are collected and assessment revised. Waters removed from the §303(d) list	Macro-invertebrate data indicates aquatic life use is fully supported and chemical data exceed criteria	Aquatic life use support decision is based on macro-invertebrate results
Bacteriological	Most current South Carolina Regulation 61-68 Water Classifications and Standards	Waterbody does not exceed criteria	90% of data points fall within criteria or guidelines	Place on §303(d) list erroneously	Additional data are collected and assessment revised. Waters removed from the §303(d) list		Support decision is based on criteria and approved assessment methodology

2.2 Ambient Surface Water Physical & Chemical Continuous Monitoring

2.2.1 Monitoring Objectives

The purpose of Ambient Surface Water Physical & Chemical Continuous Monitoring is to investigate temporal, as well as spatial variation of specific parameters, in a way that produces well defined data reflecting physical and chemical relationships of the streams, reservoirs and estuaries in South Carolina.

2.2.2 Monitoring Design

Continuous monitoring sampling sites are located in systems (reservoirs, streams, estuaries) where discrete monthly sampling is insufficient for specific purposes. Monitoring sites are positioned so as to complement existing discrete monitoring locations and to fully characterize the system to the greatest extent possible. Continuous monitoring datasondes are deployed on buoys, or affixed to floating docks if available, at two week intervals. Monitoring at a depth of 0.3 meters is continuous (15 minute intervals) throughout the growing season (May1 –October 31). The deployment period for individual meters, or for the complete study, may be altered depending on physical constraints and the objectives of the study.

2.2.3 Core and Supplemental Water Quality Indicators

The datasonde firmware calculates salinity from temperature and conductivity and makes any needed temperature adjustments to DO readings. Notification of updated firmware is pushed to the end-users by the manufacturer and is installed to the datasondes by SC DHEC personnel.

Results are reported as follows. The number of significant digits is dictated by the sensor precision of each measurement. Please see the datasonde-specific SOP.

Temperature – °C
Conductivity – mS/cm
Salinity – PPT (estuarine only)
pH – Standard Units
LDO – mg/L
Chlorophyll *a* – µg/L
Turbidity – NTU

2.2.4 Quality Assurance

All continuous monitoring procedures and data analyses are performed in accordance with the Bureau of Water, Standard Operating Procedure for Continuous Monitoring of Ambient Surface Water (Attachment 1).

2.2.5 Data Management

Once a datasonde is verified after deployment the raw data are downloaded to a DHEC database which is backed up nightly.

2.2.6 Data Analysis/Assessment

Calibration, validation, and verification criteria for continuous monitoring data are listed in the table below. Failure to meet these criteria during instrument calibration and validation requires that the calibration be performed again and possibly new standards made. Post-deployment verification occurs prior to cleaning and maintaining the datasonde. If verification fails the first time, the datasonde is cleaned and the verification is performed again.

Post processing of the data may be performed according to the Standard Operating Procedure for Continuous Monitoring of Ambient Surface Water (Attachment 1), and the data may still be used if it meets the Maximum Allowable Limits for Data Adjustment listed in the Standard Operating Procedure for Continuous Monitoring of Ambient Surface Water (Attachment 1), subject to data quality objectives.

Parameter	USGS Calibration Verification Criteria (Wagner et al., 2006)	BOW Calibration Verification Criteria
Temperature	$\pm 0.2\text{ }^{\circ}\text{C}$	Secondary confirmation with NIST thermometer at least once during field season. $\pm 0.1\text{ }^{\circ}\text{C}$
Specific Conductance	$\pm 5\text{ }\mu\text{S/cm}$ or $\pm 3\%$ of the measured value, whichever is greater	$\pm 10\%$
Dissolved oxygen	$\pm 0.3\text{ mg/L}$	$\pm 0.2\text{ mg/L}$
pH	$\pm 0.2\text{ pH unit}$	$\pm 0.2\text{ unit}$
Turbidity	$\pm 0.5\text{ NTU}$ or $\pm 5\%$ of the measured value, whichever is greater	$\pm 10\%$
Chlorophyll <i>a</i>	None	$\pm 10\%$

2.2.7 Reporting

Continuous monitoring data are reported within the final report for which the data was used.

2.3 Ocean Water Monitoring

2.3.1 Monitoring Objectives

The objective of South Carolina's ocean water monitoring program is to protect public health through the issuance of swimming advisories based on accurate, representative sampling.

2.3.2 Monitoring Design

Sampling sites are located along the beachfront based on public access points. Additional sites are located near problem areas such as swashes and storm drain outfalls. Each site location has been recorded with global positioning systems (GPS) technology and mapped. Samples are collected at knee depth (approximately two feet) to best represent the area where recreation normally occurs. See Appendix E for sample site locations at the time of this publication. As swimming season approaches some modification to sample sites may be made. There are a total of 123 currently active sites in three regions monitored according to the following monitoring design:

		Tier 1	Tier 2
A. When to Conduct Basic Sampling		May 1 - October 1 Once per week Random tidal stages	May 1 - October 1 Twice per month Random tidal stages
B. When to Conduct Additional Sampling	Rainfall events	N/A	N/A
	After a water quality standard is exceeded	If any sample exceeds the action level a repeat sample will be taken within 24 hours of result notification, except where a permanent advisory sign is in place.	
	After a sewage spill or pollution event	Sampling will be conducted as soon as possible following a sewage spill or other pollution event. At the region manager's discretion, beaches will be preemptively placed under advisory until satisfactory sample results are received.	
	Reopening after advisory or closure	Additional samples shall be taken following an advisory until sample results fall below the action level and advisory is lifted.	

Further information regarding the monitoring design and sample site selection criteria can be found in South Carolina Beach Monitoring Program Quality Assurance Project Plan, Appendix B.

2.3.3 Core and Supplemental Water Quality Indicators

The State records the following parameters for each ocean water sample: project code and county location, sample date, sampling time, station number, sample collector, sample identification numbers, weather conditions, rainfall amount in previous 24 hours, tidal condition, wind direction, enterococci (most probable number based on the Enterolert Quanti-tray sample method), chain of custody, and comments. Of the parameters listed, the only critical measurement is the Enterolert result. Other parameters are collected primarily for informational purposes only.

2.3.4 Quality Assurance

All sampling procedures and analyses are performed in accordance with the South Carolina Beach Monitoring Program Quality Assurance Project Plan.

2.3.5 Data Management

Copies of the completed Ocean Water Quality Sampling Data forms (DHEC 2508) are entered into IMAP by the Program Coordinator in Central Office. A hard copy of the form is maintained by the Field Laboratory and the original is sent to the Central Office. Data sheets are kept for three years per the retention schedule. At the end of the beach season, all data is uploaded to the EPA. Data are also available to the public by request and on the beach monitoring Web site <http://gis.dhec.sc.gov/beachaccess/#>.

2.3.6 Data Analysis/Assessment

Swimming advisories are issued based on a single sample limit of 500 Enterococci/100 mL or a

single sample exceeding 104 Enterococci/100 mL followed by a repeat sample exceeding 104 Enterococci/100 mL. When an extreme weather event, such as a hurricane, tropical storm, or torrential rain occurs, a general advisory may be issued without current sampling data. It is known that significant rainfall within a 24-hour period causes elevated bacteria counts that exceed the advisory action levels at some stations. Data assessment procedures can be found in the South Carolina Beach Monitoring Program Quality Assurance Project Plan Appendices D and E.

2.3.7 Reporting

In the event of an advisory, signs will be posted at conspicuous areas on the affected beach, if needed. Some sampling sites are permanently advised. Beach advisory signs includes a statement that explains that swimming is not advised due to high bacteria levels in the water, but that wading, fishing, and shell collecting do not pose a risk and list contact information. Local media outlets are contacted by the regional program manager or the municipality as previously negotiated. A copy of the advisory is sent by electronic mail to the program coordinator and each coastal regional EA office (Myrtle Beach, Beaufort, and Charleston). Advisories are also available through the DHEC website. All advisory data are uploaded at least yearly to EPA. Further information regarding reporting is available in the South Carolina Beach Monitoring Program Quality Assurance Project Plan, Section A9 and Appendix C.

2.4 Biological Monitoring

The biological monitoring network provides information that will allow for the detection and evaluation of changes in the stability of aquatic communities, including macroinvertebrates and phytoplankton, and the analysis of fish tissue. The various activities falling under the biological monitoring program are detailed below.

2.4.1 Macroinvertebrate Bioassessment

Ambient stream macroinvertebrate bioassessments are currently focused on monitoring the condition of stream water quality statewide and include an expanded array of large river sites. Emphasis is placed on building datasets with a long history of frequent sampling to allow for better resolution in the identification of water quality trends. Additionally, biological monitoring continues at statistical survey and special study stations statewide. Review of reports required by NPDES permits is ongoing.

2.4.1.1 Monitoring Objectives

The South Carolina Department of Health and Environmental Control began using aquatic macroinvertebrates in environmental studies in 1974 (SCDHEC 1974, 1975). Since then the macroinvertebrate monitoring program has become an important part of the Agency and is utilized for: trend monitoring of streams and rivers, the results of which are included in the §305(b) report to congress, reporting of streams that do not meet aquatic life uses to be included on the §303(d) list, assessment of the potential impacts of NPDES discharges into waters of the state, evaluation of impacts of catastrophic events such as oil spills, evaluation of the effects of nonpoint source impacts on streams and rivers, evaluation of potential outstanding resource waters of the state, providing data

for conservation agencies and programs, documenting biodiversity, and demonstrations for volunteer monitoring programs, school groups, 4H groups, and environmental festivals in the state of South Carolina. In addition bioassessments help inform standards as the results are direct measures of aquatic life condition of waters of the Nation.

2.4.1.2 Monitoring Design

Sampling sites for macroinvertebrate bioassessments fall into three broad categories: fixed stations, special study stations, and statistical survey stations. Fixed stations were once sampled on a rotating basin schedule with approximately 80 stations completed per year. Thus each site was typically sampled once every 5 years. Currently, 80 of these sites are being sampled every 3 years so that any trends might be observed in greater resolution. The remaining fixed stations are sampled as often as resources allow. These fixed stations were established by professional judgment. Criteria for site selection included watershed area, stream size, accessibility, and proximity to surface water quality stations. In general, fixed site macroinvertebrate bioassessments are conducted on mid-order or larger flowing streams. The resulting data represent the present condition of these streams.

Special studies are conducted as needed and are generally completed in order to evaluate potential perturbation from point source or non-point source events. Examples include chemical releases, oil spills, forestry activities, or development activities. Generally, these studies involve comparing an upstream control station with a station downstream of the potential impact. These studies can be a one-time event or may continue over months or years.

Statistical survey station sampling occurs during the normal fixed station index period. These sites may fall anywhere in the state. Because the selection process is random, these sites change from one year to the next. Collectively, data from the statistical survey sites provide an overview of conditions in the streams and rivers of the state.

2.4.1.3 Core and Supplemental Water Quality Indicators

Ecological health of the aquatic macroinvertebrate community is determined using a variety of biometrics outlined in the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Section 8. The EPT (Ephemeroptera, Plecoptera, and Trichoptera) Index and Biotic Index are used to calculate a Bioclassification Score, which will be used to determine the aquatic life use support rating of the stream or river. On rare occasions other metrics may be evaluated such as Taxa Richness and Total Count, and professional judgment used to determine the final aquatic life use rating. For special study stations, it is the change in the bioclassification score from the upstream control site to the downstream test site that will determine the level of impairment an activity may have on a stream.

2.4.1.4 Quality Assurance

All sampling procedures and analyses are performed under the SCDHEC Quality System which is described in the USEPA approved Quality Management Plan For S.C. DHEC, with the supervision of the Quality Assurance Manager (QAM) and all procedures follow the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance

Manual, Sections 8, 14, and 19. Please see Section 2.7 of this strategy, Quality Assurance/Quality Control Procedures, for further details.

2.4.1.5 Data Management

Macroinvertebrate and habitat data are entered into an in-house relational database program. This database program generates metric calculations and reports. All data are available to the public through the Freedom of Information Act. Coverage of the macroinvertebrate monitoring stations is available through an in-house Geographic Information System.

2.4.1.6 Data Analysis/Assessment

Refer to most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Section 8. Specific limits on assessment decision rules are listed below.

Limits on Assessment Decision Rules

Parameter	Parameter Range	Null Hypothesis	Tolerable Limit	Consequence of Decision Error	Corrective Action	Gray Region	Probability Value
Macro-invertebrate	Most current South Carolina Regulation 61-68 Water Classifications and Standards Most current revision of <u>Environmental Investigations Standard Operating Procedures and Quality Assurance Manual</u> , Section 8.4	Waterbody does not fall below regional guidelines Aquatic Community below point source is similar to community at upstream control	Index values meet or exceed regional guidelines Difference between upstream and downstream index value is no greater than guidelines	Place on §303(d) list erroneously Point source discharger is required to investigate potential cause of condition	Additional data are collected and assessment revised. Waters removed from the §303(d) list Continued monitoring to determine variability	Bio-assessment scores can be affected by non-anthropogenic stressors. Discharge into headwater streams lack upstream control.	Support decision is based on field, habitat, or chemical data

2.4.1.7 Reporting

Macroinvertebrate community assessment conclusions are shared within the Aquatic Science Programs for consideration in the development of assessments pursuant to §303(d) and §305(b) of the Clean Water Act.

2.4.2 Fish Tissue Monitoring

2.4.2.1 Monitoring Objectives

The collection of fish for the purpose of tissue analysis is necessary to detect the presence and levels of heavy metals, pesticides and toxic organic compounds in edible tissue that may concentrate through aquatic food chains and threaten the health of human consumers. Aquatic organisms may

accumulate contaminants through gills and epithelial tissue directly from water and sediment (bioconcentration), a combination of bioconcentration and dietary sources (bioaccumulation), or a process by which the tissue concentrations increase as the contaminant passes up the food chain (biomagnification). Data collected is used to issue consumption advisories for the protection of public health when necessary.

2.4.2.2 Monitoring Design and Core and Supplemental Indicators

A Statewide Survey for mercury contamination was initiated in 1993. This sampling will be continued in CY 2019. Largemouth bass (*Micropterus salmoides*) and one other common game fish will be sampled at approximately 60 freshwater sites. Fish tissue sites are established for lakes, rivers, and streams based on river miles or surface acreage. Generally at least ten samples from each site will be analyzed for mercury and one to two samples from each site will be analyzed for other heavy metals, pesticides and PCBs. Monitoring sites locations are listed in Appendix G.

Through a cooperative effort, the South Carolina Department of Natural Resources, Marine Resources Research Institute, is furnishing saltwater fish each year from estuaries for tissue analysis. Red drum, spotted sea trout, and southern flounder are the target species. Emphasis will be placed on Upper and Lower Cape Romain, the Ashley River, Charleston Harbor, Winyah Bay, the ACE basin, and the Wando River. SCDNR also provides samples of swordfish, wahoo, dolphin, and tuna for tissue analysis, as available. Through a cooperative effort with other coastal Southeastern states, King mackerel and Spanish mackerel will be collected from selected tournaments and SCDNR routine sampling. The resulting data will be used to supplement the current advisories on mackerel. Tissue from select other saltwater species will be obtained as they become available.

2.4.2.3 Data Assessment

The SCDHEC uses a risk-based approach to evaluate contaminant concentrations in fish tissue and to issue consumption advisories in affected waterbodies. This approach contrasts the average daily exposure dose to the reference dose (RfD). Using these relationships, fish tissue data are interpreted by determining the consumption rates that would not be likely to pose a health threat to adult males and nonpregnant adult females. Because an acceptable RfD for developmental neurotoxicity has not been developed and because scientific studies suggest that exposure before birth may have adverse effects the health of infants, pregnant women, infants, and children are advised to avoid consumption of fish from any waterbody where an advisory has been issued. Specific limits on assessment decision rules are listed below.

Limits on Assessment Decision Rules

Parameter	Parameter Range	Null Hypothesis	Tolerable Limit	Consequence of Decision Error	Corrective Action	Probability Value
Fish Tissue	Most current South Carolina Regulation 61-68 Water Classifications and Standards Most current revision of Environmental Investigations Standard Operating Procedures and Quality Assurance Manual , Section 8.5	Fish tissue samples do not exceed risk-based contaminant concentration	Tissue concentration meet risk-based contaminant concentration	Place on §303(d) list and issue fish consumption advisory erroneously	Additional data are collected and assessment revised. Waters removed from the §303(d) list	Support decision is based on accepted risk-based approach

2.4.2.4 Quality Assurance

All sampling procedures and analyses are performed under the SCDHEC Quality System which is described in the USEPA approved Quality Management Plan For S.C. DHEC, with the supervision of the Quality Assurance Manager (QAM) and all procedures follow the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Section 8. All laboratory analyses are performed according to the most current revision of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--AERSD. Please see Section 2.7 of this strategy, Quality Assurance/Quality Control Procedures, for further details.

2.4.2.5 Data Management

After samples are collected, data sheets are kept on file in the Aquatic Science Programs until sample analysis is completed. Upon completion of analysis, any physical or chemical data are placed in National Water Quality Monitoring Council's Water Quality Portal water quality database at <https://www.waterqualitydata.us/>. Fish tissue results are entered into an Excel database and hard copies are filed and kept on site. The tissue data are currently being entered and stored in a separate database that will be uploaded to National Water Quality Monitoring Council's Water Quality Portal water quality database at <https://www.waterqualitydata.us/> or a similar data tracking system.

2.4.3 Phytoplankton & Chlorophyll Monitoring

Phytoplankton are the microscopic plants that live free-floating and suspended in bodies of water. The abundance of phytoplankton can strongly influence non-biological aspects of water quality such as pH, dissolved oxygen, color, taste, and odor. Certain species of phytoplankton flourish in highly eutrophic (nutrient enriched) waters while distinct types are very sensitive to organic and/or other chemical wastes. Some species are capable of producing noxious blooms in the form of highly turbid water, floating algal mats, or surface scums. Offensive odors and tastes may develop from these blooms, thereby spoiling a water resource for its various uses. Anoxic conditions that may kill fish and other aquatic life can also result from excessive algal blooms. Toxic conditions resulting in

human illness and animal deaths can be created by a few phytoplankton species. Chlorophyll *a* is an indirect measure of phytoplankton biomass that can serve as a warning of the potential to develop nuisance algae bloom conditions. The algal biomass is therefore likely to be indicative of water quality in a selected water body.

Consequently, chlorophyll *a* analyses is a particularly useful biological indicator for assessing nutrient enrichment in water bodies and can aid in management decisions for protecting water resources. Chlorophyll *a* can be used to assess current water quality in lakes/reservoirs of interest and to provide a baseline of data to observe any potential changes. In addition, the effectiveness of management actions to control nutrient enrichment can be evaluated through a continuing chlorophyll monitoring program.

2.4.3.2 Monitoring Design

Sites for chlorophyll monitoring are selected using an integrated approach to best characterize the quality status of the State's waters. This process includes designating a variety of sites including fixed-station and statistical survey design. Individual sites monitored for chlorophyll *a* are designed to be representative of segments (e.g. estuary) or areas (embayment of lake) of targeted water bodies. Collectively, monitored sites provide an overview of conditions in specific resource types (e.g. coastal estuaries, lakes/reservoirs, etc.).

For CY 2019, chlorophyll *a* samples will be collected monthly, May through October, at the 30 selected lake statistical survey sites, the 30 selected statistical survey estuary sites, 37 Base Sites and 6 Special Request Sites on lakes. These sites represent all lake locations among the current Base Sites, Special Request Lake Sites, and all Statistical Survey Lake Sites and all Core Statistical Survey Estuarine Sites. It also includes 3 Base Sites and 5 Statistical Survey Lake Sites collected by the Santee Cooper Public Service Authority in a cooperative effort.

2.4.3.3 Core and Supplemental Water Quality Indicators

Chlorophyll *a* is a core indicator for lake/reservoirs habitats that can be used for direct comparison to numeric State standards. In estuaries, where numeric standards are under development, it serves as a supplemental indicator.

2.4.3.4 Quality Assurance

All sampling procedures and analyses are performed under the SCDHEC Quality System which is described in the most current USEPA approved Quality Management Plan South Carolina Department of Health and Environmental Control, with the supervision of the Quality Assurance Manager (QAM) and all procedures follow Chlorophyll *a* Laboratory Methods, SCDHEC Technical Report 0609-15. Please see Section 2.7 of this strategy, Quality Assurance/Quality Control Procedures, for further details.

2.4.3.5 Data Management

Chlorophyll data are placed in National Water Quality Monitoring Council's Water Quality Portal water quality database at <https://www.waterqualitydata.us/> where it is directly accessible by the

general public via the internet. In general, chlorophyll *a* data are entered into the Water Quality Portal at least annually.

2.4.3.6 Data Analysis/Assessment

Assessment of Chlorophyll *a* data are included in the SCDEHC data analysis and assessment methodology used to make attainment decisions about State waters included in the Integrated Report, which is submitted to EPA on even numbered years for review and approval. The most recent version is published in the most current version of the *State of South Carolina Integrated Report Part I: Listing of Impaired Waters* which can be found on the SCDHEC website at <http://www.scdhec.gov/HomeAndEnvironment/Water/ImpairedWaters/Overview/>.

2.4.3.7 Reporting

Chlorophyll *a* assessment conclusions are forwarded to the Aquatic Science Programs for consideration in the preparation of the biennial Integrated Report, which addresses Clean Water Act §303(d), §305(b), and §314 reporting requirements. These reports are available on the SCDHEC website.

2.5 Shellfish Growing Area Water Quality Monitoring

2.5.1 Monitoring Objectives

South Carolina's Shellfish Sanitation Program monitors approximately 580,176 acres of surface water with assigned classifications designated for the harvest of Molluscan shellfish. These coastal waters are divided into 25 shellfish management areas with a total of 463 active monitoring stations. The objectives of the shellfish-monitoring network are to provide data that accurately reflect sanitary and environmental conditions of coastal shellfish and shellfish growing waters in South Carolina in order to:

- Ensure that the health of shellfish consumers is protected;
- Protect and maintain existing shellfish growing area water use; and
- Identify impaired waters suitable for restoration to appropriate use standards.

2.5.2 Monitoring Design

The shellfish-monitoring program provides the database that is used in conducting a comprehensive evaluation of each shellfish growing area. Evaluations of growing areas, which meet NSSP requirements for Triennial Reviews, are conducted annually. Routine bacteriological monitoring and subsequent laboratory analyses of water quality from strategically located sample sites are conducted monthly. Monitoring is based on a systematic random sampling methodology in which coastal shellfish growing area surface waters are sampled in accordance with a pre-established schedule, thereby assuring that a statistically representative cross-section of meteorological, hydrographic, and/or pollution events will be included in the data set. Monitoring sites are established at locations representative of variable water quality within non-Prohibited classified shellfish areas. Locations are sited with the intent of determining compliance with existing State shellfish regulation water

quality standards. Individual monitoring sites are typically representative of a water reach extending in the directions of tidal flow to the closest adjacent monitoring sites. Resulting laboratory analyses detail physical and bacteriological data that are used to classify shellfish growing waters. All standards, monitoring methodology, and laboratory analyses comply with guidance set forth in the National Shellfish Sanitation Program Model Ordinance. Areas closed to the harvesting of shellfish are posted with signs indicting the potential for serious illness from consuming shellfish harvested within these areas and outlining penalties for harvest violations.

The monitoring network also serves to update sanitary-related data from each shellfish area to ensure that conditions that existed during the prior review period still prevail; that the harvest classification is correct; and, ultimately that shellfish are harvested only from growing areas that meet or exceed established standards for shellfish growing waters.

Complete descriptions of station locations are included in Appendix H.

2.5.3 Core and Supplemental Water Quality Indicators

Fecal coliform, used as a human pathogen indicator organism, is the bacteriological parameter used to decide between the *Approved* and *Restricted* classifications (Table 2). Additional monitoring parameters (Salinity, Tide Stage, Wind Direction, etc.) are frequently used in conjunction with the fecal coliform standard and observed meteorological and/or hydrographic conditions in determining the appropriateness of implementing the *Conditionally Approved* classification.

2.5.4 Quality Assurance

Shellfish Sanitation Program monitoring complies with most current revision of SCDHEC's EA Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Section 8.10, and all laboratory analyses are conducted by the Bureau of Environmental Health Services according to the most current revision of SCDHEC's Laboratory Procedures Manual for Environmental Microbiology-- ARES.

2.5.5 Data Management

Shellfish data are stored in STORET. Individual data collected subsequent to the mid-1990s are available through FOI request in an electronic (Excel) format. All monitoring sites are represented in a digital coverage located on the Department's GIS server.

2.5.6 Data Analysis/Assessment

S.C Regulation 61-47, Shellfish, has established a fecal coliform standard (geometric mean not to exceed 14 fc mpn/100ml and the estimated 90th percentile value not to exceed 43 mpn/100ml) for waters classified as *Approved*. Sites are monitored on a monthly basis, with monitoring scheduled in advance so as to be random with respect to tide and weather conditions. Data collected over a thirty-six consecutive month period is used in determining compliance. A minimum of thirty samples is required to be collected from each monitoring site for classification. This standard and methodology fully complies with National Shellfish Sanitation Program Model Ordinance guidance criteria. All shellfish waters receive one of the following

harvest classifications.

Table 2. Fixed-Station Shellfish Monitoring Program Physical and Bacteriological Parameter Coverage and Sampling Frequency

Parameter Group	Parameter	Water	Shellstock
Physical	Tide Stage	*	NA
	Water Temperature	*	NA
	Air Temperature	*	NA
	Wind Direction	*	NA
	Salinity	*	NA
Bacteriological	Fecal Coliform	*	**
	Total Plate Count	NA	**
	E. coli	**	**
	Sample Temperature	*	**
	Sample Type	NA	**
	Species	NA	**

*Sampled monthly (minimum frequency).

**Sampled as appropriate.

2.5.6.1 *Approved*: Growing areas shall be classified *Approved* when the sanitary survey concludes that fecal material, pathogenic microorganisms, and poisonous or deleterious substances are not present in concentrations which would render shellfish unsafe for human consumption. *Approved* area classification shall be determined upon a sanitary survey, which includes water samples collected from stations in the designated area adjacent to actual or potential sources of pollution. For waters sampled under adverse pollution conditions, the median fecal coliform Most Probable Number (MPN) or the geometric mean MPN shall not exceed fourteen per one hundred milliliters, and not more than ten percent of the samples shall exceed a fecal coliform MPN of forty-three per one hundred milliliters (per five tube decimal dilution). For waters sampled under a systematic random sampling plan, the geometric mean fecal coliform Most Probable Number (MPN) shall not exceed fourteen per one hundred milliliters, and the estimated ninetieth percentile shall not exceed an MPN of forty-three (per five tube decimal dilution). Computation of the estimated ninetieth percentile shall be obtained using NSSP guidelines.

2.5.6.2 *Conditionally Approved*: Growing areas may be classified *Conditionally Approved* when they are subject to temporary conditions of actual or potential pollution. When such events are predictable as in the malfunction of wastewater treatment facilities, non-point source pollution from rainfall runoff, discharge of a major river, potential discharges from dock or harbor facilities that may affect water quality, a management plan describing conditions under which harvesting will be allowed shall be adopted by the Department, prior to classifying an area

as *Conditionally Approved*. Where appropriate, the management plan for each *Conditionally Approved* area shall include performance standards for sources of controllable pollution, e.g., wastewater treatment and collection systems, evaluation of each source of pollution, and means of rapidly closing and subsequent reopening areas to shellfish harvesting. Memorandums of agreements shall be a part of these management plans where appropriate.

Shellfish shall not be directly marketed from a *Conditionally Approved* area until conditions for an *Approved* classification have been met for a time that should insure the shellfish are safe for consumption. Shellstock from *Conditionally Approved* areas that have been subjected to temporary conditions of actual or potential pollution may be relayed to *Approved* areas for purification or depurated through controlled purification operations only by special permit issued by the Department.

2.5.6.3 *Restricted*: Growing areas shall be classified *Restricted* when sanitary survey data show a limited degree of pollution or the presence of deleterious or poisonous substances to a degree which may cause the water quality to fluctuate unpredictably or at such a frequency that a *Conditionally Approved* area classification is not feasible. Shellfish may be harvested from areas classified as *Restricted* only for the purposes of relaying or depuration and only by special permit issued by the Department and under Department supervision.

The suitability of *Restricted* areas for harvesting of shellstock for Relay or Depuration purposes may be determined through the use of comparison studies of background tissue samples with post-process tissue samples, as well as other process verification techniques deemed appropriate by the Department.

For *Restricted* areas to be utilized as a source of shellstock for depuration, or as source water for depuration, the fecal coliform geometric mean MPN of restricted waters sampled under adverse pollution conditions shall not exceed eighty-eight per one hundred milliliters and not more than ten percent of the samples shall exceed a MPN of two hundred and sixty per one hundred milliliters for a five-tube decimal dilution test. For waters sampled under a systematic random sampling plan, the fecal coliform geometric mean MPN shall not exceed eighty-eight per one hundred milliliters and the estimated ninetieth percentile shall not exceed an MPN of two hundred and sixty (five tube decimal dilution). Computation of the estimated ninetieth percentile shall be obtained using the formula outlined in the NSSP manual.

2.5.6.4 *Conditionally Restricted*: Growing areas may be classified *Conditionally Restricted* when they are subject to temporary conditions of actual or potential pollution. When such events are predictable, as in the malfunction of wastewater treatment facilities, non-point source pollution from rainfall runoff, discharge of a major river or potential discharges from dock or harbor facilities that may affect water quality, a management plan describing conditions under which harvesting will be allowed shall be prepared by the Department prior to classifying an area as *Conditionally Restricted*. Where appropriate, the management plan for each *Conditionally Restricted* area shall include performance standards for sources of controllable pollution, e.g., wastewater treatment and collection systems and an evaluation of each source of pollution, and description of the means of rapidly closing and subsequent reopening areas to shellfish harvesting. Memorandums of agreements shall be a part of these management plans where

appropriate.

Shellfish may be harvested from areas classified as *Conditionally Restricted* only for the purposes of relaying or depuration and only by permit issued by the Department and under Department supervision.

For *Conditionally Restricted* areas to be utilized as a source of shellstock for depuration, the fecal coliform geometric mean MPN of *Conditionally Restricted* waters sampled under adverse pollution conditions shall not exceed eighty-eight per one hundred milliliters and not more than ten percent of the samples shall exceed a MPN of two hundred and sixty per one hundred milliliters for a five-tube decimal dilution test. For waters sampled under a systematic random sampling plan, the fecal coliform geometric mean MPN shall not exceed eighty-eight per one hundred milliliters and the estimated ninetieth percentile shall not exceed an MPN of two hundred and sixty (five tube decimal dilution). Computation of the estimated ninetieth percentile shall be obtained using ISSP guidelines.

2.5.6.5 Prohibited: Growing areas shall be classified *Prohibited* if there is no current sanitary survey or if the sanitary survey or monitoring data show unsafe levels of fecal material, pathogenic microorganisms, or poisonous or deleterious substances in the growing area or indicate that such substances could potentially reach quantities which could render shellfish unfit or unsafe for human consumption. Waters classified as *Prohibited* are administrative closures.

Harvesting of shellfish for human consumption from *Prohibited* areas shall not be allowed by the Department. Shellfish may be depleted for non-food use from *Prohibited* areas upon approval of the Department and under specified conditions.

Growing waters adjacent to sewage treatment plant outfalls and other waste discharges shall be classified *Prohibited*. A variety of assumptions and criteria will be considered in determining the area that could be potentially impacted.

Growing waters within marinas shall be classified as *Prohibited*. Classification of waters adjacent to marinas will be determined using a dilution analysis that incorporates various assumptions.

2.5.6.6 Waters meeting the standard are typically classified as *Approved* and waters exceeding the standard are classified as *Restricted*. *Approved* waters approaching the standard's limit (14/43) or *Restricted* waters slightly exceeding the standard are candidates for management under the *Conditionally Approved* classification. Use of this classification requires that pollution events be predictable and manageable. Management of *Conditionally Approved* areas is manpower intensive and, although its use is encouraged; field managers are allowed some discretion in its implementation.

2.5.7 Reporting

The Shellfish Sanitation Program produces annual reports for each of the twenty-five shellfish management areas. These reports are routinely distributed to the United States Food and Drug

Administration, the South Carolina Department of Natural Resources, the Department's Office of Coastal Resource Management, and the Department's Bureau of Water – Division of Water Quality. All reports are updated annually and are available for viewing on the Department's Shellfish Sanitation Program webpage.

2.6 Groundwater Monitoring

Ambient groundwater monitoring is currently suspended. This section is reserved for future use as needed.

2.7 Quality Assurance/Quality Control Procedures

SCDHEC's Quality System is the means by which the Department implements the quality management process. The Quality System encompasses a variety of technical and administrative elements, which are outlined in the SCDHEC Quality Management Plan. This plan describes how programs within Environmental Affairs (EA) will plan, implement, and assess the quality of environmental work to be performed as part of the various programs' functions within the Agency.

The Director of Environmental Affairs has the overall responsibility for the development, implementation, and continued operation of EA's Quality Assurance (QA) Program. To ensure that EA's QA Program is uniformly applied to the generating and processing of all environmental data, a Quality Assurance Manager (QAM) has been appointed.

The QAM is responsible for the Quality Assurance Program. Environmentally-related measurement activities conducted by or for EA shall be done only with the approval of the QAM and/or QAM designee after ensuring that adequate quality assurance guidelines and procedures have been incorporated. This includes study-planning, sample collection, preservation and analysis, data handling, and use of physical, chemical, biological, and other data related to the effects, sources, transport and control of pollution, as well as personnel review and training.

2.7.1 Quality Assurance Project Plans and Standard Operating Procedures

Two basic tools for QA management are QA Project Plans (QAPPs) and Standard Operating Procedures (SOPs). Routine monitoring activities are implemented under this monitoring strategy (programmatic QAPP) and associated SOPs. Special studies require a written QAPP specific to that study. Special studies involving an immediate public health threat or a criminal investigation may not have an approved QAPP due to the limited time frame for obtaining samples. These studies will be handled like routine work requiring adherence to applicable SOPs. To accomplish the above, each environmental monitoring organization shall develop and implement SOPs, approved by the QAM and/or designee, for all monitoring activities.

2.7.2 Sampling Methods

EA's sampling manual is entitled the Environmental Quality Control Environmental Investigations Standard Operating Procedures and Quality Assurance Manual. This document is reviewed periodically and updated as needed. However, staff can choose to update more frequently if changes

in regulation or methodology require it. The manual describes in detail the field sampling procedures by matrix, field instrument calibration and maintenance procedures, sample chain-of-custody documentation, sample preservation, holding times and recommended sample containers specifications, data sheet examples, and data submission requirements. This manual is mainly an internal document. Upon request, specific sections may be released to external parties; however the QAM must approve the request.

2.7.3 Training

An intranet training program has been established to ensure staff have access to the most recent revision of the field SOPs and have acknowledged they are familiar with the SOP content for specific assigned duties. Each program area will ensure that all personnel performing tasks and functions related to data quality will have the needed education, training, and experience. Training is tracked through the MySCLearning system. A review of basic training requirements for field staff is found in Section 4 of the most current revision of SCDHEC's Environmental Quality Control Environmental Investigations Standard Operating Procedures and Quality Assurance Manual.

The training of laboratory personnel is discussed in the most current revision of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories, Volume 1, SOP III, Personnel Training and Laboratory Procedures Manual for Environmental Microbiology -- ARES, SOP III, Staff Training. These SOPs incorporate forms for acknowledgement that the analyst has read the method, as well as tracking forms for other various types of training. This information is kept on file at the Analytical and Radiological Environmental Services Division or appropriate Regional Laboratory. Each analyst is required to show proficiency in the analysis prior to analyzing samples. Training and documentation of proficiency are kept on file in the appropriate laboratory.

2.7.4 DHEC QA Policy

It is the practice of Environmental Affairs (EA) that necessary quality assurance (QA) activities be conducted within the State of South Carolina to demonstrate that all environmental data generated, processed, or used will be scientifically valid, defensible, and of known and acceptable precision and accuracy. It is also critical that all reported data include documented precision and accuracy and be complete, representative, and comparable. The quality of all data generated shall meet or exceed all EA and EPA program requirements.

2.7.5 Documents and Records

The following list of documents and records are maintained and stored per Monitoring Strategy requirements.

- Bound Field Logbooks/Workbooks

In these logbooks are recorded all of the routine daily meter calibration results, remarks and notes relating to all activities, and values for all field measured parameters as well as time, date, station location, and collector identification information associated with all sampling activities. This logbook format provides a legally admissible document for any court supervised

compliance/enforcement proceedings.

- Chain of Custody Information
- Sample Request Sheets/Data
- EPA STORET Data
- Special Study QAPPs/Data
- Analytical Workbooks/Sample Results
- Technical Reports
- QA Assessment Reports (Lab and Field)

2.7.6 Quality Assurance Assessment

Audits are the principal means in this Agency's QA Program to determine compliance with established QA protocols and guidelines. A complete discussion of these audits can be found in Section 3 of the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual. The following audits are conducted by the Quality Assurance Manager (QAM) and/or designee:

- Performance Audits
- Data Quality Audits
- System Audits

In addition, the Office of Environmental Laboratory Certification performs a certification audit on EA internal laboratories (both field and regional laboratories) at least every 3 years under both the CWA and SDWA.

2.7.6.1 Water Quality Monitoring Program Assessment

To accomplish the QA objectives cited above, the Aquatic Science Programs and Water Pollution Compliance Section have developed and instituted QAM- approved field study procedures and documentation, data review, and routine EPA operating overview. Some specifics of these Sections' QA/QC activities include:

- Submission of all Quality Assurance Project Plans (QAPPs) to the QAM and/or designee for review and approval prior to implementation. Submission of work plans as requested by the QAM. The project manager can also request reviews of work plans to ensure QA/QC requirements are addressed completely and correctly.
- Regular reviews and updates of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (SOP) and Procedures Manual for Stream and Wastewater Facility Flow Measurement.
- At least once yearly all water quality monitoring personnel are accompanied on sample collection activities by the Aquatic Science Programs' quality assurance officer for evaluation of adherence to standard operating procedures (SOP) for QA/QC.

- Water Pollution Compliance Section program staff routinely accompany facility compliance monitoring personnel to ensure adherence to standard operating procedures (SOP) during sample collection activities for QA/QC.
- All SC DHEC EA laboratories in the State are expected to participate in Proficiency Testing as a requirement for their Certification.
- Field staff are also required to participate in either analyzing blind QC samples or PT samples if they perform field analysis for residual chlorine, conductivity and/or pH.
- Approximately every three years, EPA Region 4 Office conducts an on-site routine audit of the Analytical and Radiological Environmental Services Division (ARESD), the Central Laboratory in Columbia and also reviews the Laboratory SOPs. EPA also conducts an on-site audit of all regional laboratories certified for drinking water parameters each cycle. Approximately every three years the Office of Environmental Laboratory Certification performs an on-site audit that covers both drinking water and wastewater.
- Internal assessments are also performed on ARESD Laboratories. These are conducted by the QAM or designee or via the peer review process; but these are not certifying audits. EPA Region 4 is the certifying authority over the ARESD Laboratories.

2.7.7 Corrective Actions/Quality Improvement

Identifying quality problems and improving performance are key components in our quality improvement efforts. The QAM is responsible for responding to and resolving all quality assurance problems and needs. The QAM will initiate corrective action to adverse conditions that compromise quality in the field or laboratory. Corrective actions may originate from audit findings or problems encountered and reported to the QAM or Program Manager. Staff are expected to initiate corrective actions immediately to resolve QA issues and concerns, to document corrective action and the results of the corrective action. Laboratories that fail Proficiency Studies must submit a letter to the Office of Environmental Laboratory Certification explaining the reason for the failure and the correction action taken. Central/Regional Office Monitoring Program Managers and Laboratory Managers are responsible for making sure corrective actions have been implemented, were effective, and reported to the appropriate Program manager, Project manager, and/or the QAM.

2.8 Laboratory Support

2.8.1 Laboratory Services

The Analytical and Radiological Environmental Services Division (ARESD) in the Bureau of Environmental Health Services (BEHS) provides laboratory services to the Bureaus of Water, Land and Waste Management, and the Milk and Dairy Program. The analytical services offered include bacteriological, chemical, and physical analyses. The types of samples analyzed include water, wastewater, leachate, soil, sediment, chemical waste, fish, shellfish, and milk/dairy products.

The BEHS organizational structure encompasses the Central Laboratory (ARESD), seven regional laboratories (each of these regional labs also has a field lab), and five additional field labs. ARESD, also known as the Central Laboratory includes the following laboratories: Microbiology and Milk/Dairy, Inorganic Chemistry, Organic Chemistry, Radiochemistry and the Sample and Data Management Section. These areas are located in the Hayne Building in Columbia. The seven regional laboratories are located in Aiken, Beaufort, North Charleston, Florence, Greenville, Lancaster, and Myrtle Beach. Other field labs which only collect samples and perform field analyses (pH, conductivity, temperature, residual chlorine, and dissolved oxygen) are located in Anderson, Greenwood, Spartanburg, Columbia, Orangeburg, and Sumter. The Columbia facility is separate from ARESD but collects samples for this lab. ARESD, in turn, performs similar functions as the other regional laboratories for the Columbia facility.

The field laboratories initiate all stream and wastewater analysis. The Central Laboratory provides support analyses, i.e., metals, nutrient, extraction procedures, and organic analyses. The Beaufort and Myrtle Beach regional laboratories analyze microbiological samples only. Drinking water chemical analysis is essentially a Central Laboratory program with support from the regional labs. All regional laboratories perform microbiological analyses for the Drinking Water Program.

2.8.2 ARESD Quality Assurance Program

The Assistant Bureau Chief (ABC) of the BEHS Laboratories along with the Division Director of ARESD coordinate the internal ARESD quality assurance program. The laboratory quality assurance program encompasses every aspect of the laboratory analysis from container preparation through the actual data release from ARESD to the Environmental Affairs' Programs.

2.8.2.1 ARESD has four quality control manuals which detail the day-to-day operation of the quality assurance program: (1) Procedures and Quality Control Manual for Chemistry Laboratories - ARESD, (2) Laboratory Procedures Manual for Environmental Microbiology -- ARESD, (3) Procedures and Quality Control Manual For the Radiochemistry Laboratory -- ARESD, and (4) Standard Operating Procedures for Milk and Dairy -- ARESD. The elements addressed in the manuals include organization; sample chain of custody; personnel training; quality control of laboratory services, scope and application, equipment and supplies, reagents, standards, methodology, preservation and storage, calibration, performance criteria and quality assurance, and waste management.

2.8.2.2 The overall laboratory quality assurance program contains many elements, some of which have been previously discussed. The frequency for analysis of replicates and spike recovery samples is noted in the manuals and is in compliance with U.S. EPA guidelines. Acceptance criteria for each QC check is detailed in each procedure of the SOP Manual. The Environmental Microbiology Laboratories perform replicate analyses, positive test controls, media control tests, equipment control tests, etc., as required by EPA Laboratory Certification and Evaluation guidelines. In addition, ARESD and the regional laboratories participate in annual Water Supply and Water Pollution Proficiency Testing Programs. All regional personnel who collect samples that require field testing participate in either the yearly Water Supply or Water Pollution Proficiency Testing Program, whichever is appropriate. Occasionally, field or other non-laboratory staff may assist the Microbiologist in setting up samples or reading them. Anyone participating in this way must demonstrate proficiency in any activity they will perform. Their proficiency is assessed through use of a blind sample obtained from either a QC Sample Vendor or made in-house. This proficiency is documented and kept in the Regional Office.

2.8.2.3 The laboratory analyses for water quality monitoring are conducted according to 40 CFR Parts 141, 136, and 143. The ARESD quality control manuals include a section on methodology designed to reduce variations in applied techniques among the State laboratories where methods permit analyst interpretation, and thus provide a more uniform approach which will increase the reproducibility of results reported from the laboratory system. Analytical SOPs are identified by number and date of revision. Each SOP includes the approved method reference. SOPs are reviewed annually.

SOPs include instrument calibration and maintenance procedures as well as corrective actions for any deficiencies or problems encountered.

2.8.3 Sample Containers and Preservation

2.8.3.1 Control of the quality of laboratory analyses begins with the sample collection. The validity of analytical results obtained depends upon a representative sample of the source from which it was collected. The concentration of each constituent in a sample at the time of collection must be maintained until all analyses have been completed. Constituent concentrations may be altered after collection through contamination of the container, reactions between sample components and the container walls, and through naturally occurring reactions within the sample itself. This section contains the methodology employed by the laboratories to control those factors which can affect sample validity. The field sample collection procedures, standard operating procedures, and QC procedures are documented in the most current revision of SCDHEC's BEHSPROC 108.

2.8.3.2 The proper containers must be selected for sampling as well as the proper preservation and an adequate volume collected. Sample chain of custody procedures must be adhered to in order to ensure that sample integrity is maintained. An accurate record is needed to trace the possession of each sample from the time of collection to analysis. The reader should refer to the most current revision of SCDHEC's manual entitled Environmental Quality Control Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Section 19 and Appendix A for details.

Glass, polyethylene, and polypropylene bottles are used as sample containers. The sample container is cleaned and labeled for the parameter for which it is used. The containers used for the various parameters have been chosen for their chemical resistance to the chemical parameter of interest and the required preservatives. Random substitution of containers may not be made.

Special cleaning procedures are employed for the various containers. Each parameter or parameter group involves different interfering compounds and contaminants which must be removed from the container walls. The laboratories maintain a supply of the required containers. Clean containers for organic and inorganic parameters are shipped to the field laboratories by the Data Management Section in Columbia. Containers required for parameters analyzed by the field laboratories are maintained by those laboratories and cleaned according to special procedures.

2.8.3.3 All ambient water and wastewater samples are preserved at the site immediately after collection or collected in pre-preserved containers. Some drinking water samples are preserved at the site, collected in pre-preserved containers or may be preserved after they have been brought back to the office or the lab in accordance with requirements established by the United States Environmental Protection Agency.

The field laboratories are responsible for requesting the preservatives in order to maintain an ample quantity; and the central and regional laboratories provide the supplies upon request. Each dispenser is labeled in bold letters to assist the collector to choose the proper preservative for the container; i.e., METALS, MERCURY, NUTRIENTS, TOC, etc. Because the concentration levels cannot be maintained at the level collected indefinitely, maximum holding times have been set for each parameter. Analyses must be completed during the time limits set for valid results. Required containers, preservatives, and holding times for each parameter and procedures used for preserving samples are listed in the most current revisions of manuals listed in Section 2.8.2.1, and Environmental Quality Control Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (Appendix A).

2.8.4 Laboratory Evaluation Program

The SC Environmental Laboratory Certification Program is authorized by Regulation 61-81 entitled “State Environmental Laboratory Certification Regulation” which became effective on January 1, 1981. The Regulation applies to all laboratories which generate data for compliance with state environmental regulations or that is performing any other analyses related to environmental quality evaluations required by the Department or which will be officially submitted to the Department.

On-site evaluations of in-state certified laboratories are conducted at least every three years and are scheduled approximately three months prior to the date of expiration documented on the laboratory’s certification certificate. The Certification Program currently offers certification for laboratories performing analyses of drinking water, wastewater and solid and/or hazardous wastes.

2.9 Data Review, Verification, and Validation

The following protocols are followed for review and verification of data use in the Ambient Water Quality Monitoring Program. Data validation and decisions regarding anomalous data are made independently for different activity’s data applications.

- The analyst reviews data and QC for accuracy and completeness. Data are submitted to the Lab Manager or senior level personnel for review and data verification.
- The laboratory manager reviews all sample request sheets originating in the region for correct information and sends to the Analytical and Radiological Environmental Services Division.
- The analyst, manager, Data Management staff, or designated individual enters data into LIMS. Senior level personnel or the Data Management staff verify the transcribed data for accuracy. The Lab Director or designee releases the verified data from the laboratory and sends to the appropriate program area.
- When a particular sample fails any portion of the laboratory QC procedures, the data is flagged in the LIMS according to Section IV-G of the most current revision of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories -- ARESD and Section IV-E of the Laboratory Procedures Manual for Environmental Microbiology -- ARESD. The data is not reportable if the Laboratory Fortified Blank (LFB) is unacceptable. If the surrogate recovery or laboratory matrix spike are out-of-control limits, this may be due to a matrix effect and the data still may be considered valid and reportable (with data flags) after all procedural requirements such as repeating the analysis or sample preparation have been exhausted. The program can request that data be released to them for information purposes only in some instances, e.g. if holding times were exceeded because samples did not arrive in the lab to be analyzed in a timely manner. The data notes would state that samples exceeded holding time but were analyzed at the program's request. However, any program request for data for informational purposes only must be made in writing documenting the limited use for non-regulatory purposes. This request should be made to the Division Director of ARES
- Upon analysis completion and verification a percentage of the data is validated. After validation, data are released by the laboratory and sent to the specific program areas responsible for the original samples for final QA review.
- As part of an on-site audit, a peer review process performs an internal assessment which traces the data from the collection activities, through the analytical methodology, and to the final report.

2.9.1 Reconciliation with Program Specific Data Quality Objectives

The Bureau of Water's Division of Water Quality Management, Assessment and Protection is responsible for final review and reporting of all monitoring results to EPA and other end users.

For continuous monitoring data, all raw data are maintained separately from any post-processing data correction/adjustment files created. Once data adjustments are applied, then each recorded data point is compared to the original, unadjusted record. It is assigned an accuracy rating according to the table in Section 15.3 of Standard Operating Procedure for Continuous Monitoring of Ambient

Surface Water, Attachment 1. If any part of a continuous data segment exceeds the Rejection criteria it is eliminated from further analysis, subject to project data quality objectives, but will be used for informational purposes.

Any limitations of data use will be conveyed in reports sent.

Appendices

**A. Ambient Surface Water Quality Monitoring Site Descriptions Listed By Regional
Laboratory Office**

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - 2019 STATISTICAL SURVEY SITE - ACTIVE			
RL-19155	LAKE JOCASSEE CONFLUENCE OF HORSEPASTURE CREEK AND BEARCAMP CREEK ARMS	OCONEE	TPGT
RL-19159	LAKE KEOWEE AT THE END OF KELLY CREEK ARM - NEARSHORE - APPROX 0.3 MILES ESE OF CEDAR BLUFF COURT CUL-DE-SAC	PICKENS	FW
RL-19165	LAKE SECESSION MIDWAY BETWEEN 3RD AVENUE POINT AND TURTLE POINT	ABBEVILLE	FW
RL-19167	LAKE KEOWEE- IN COVE IN THE V OF ARROWHEAD TRAIL AND CLIFFWICK DRIVE	OCONEE	FW
RL-19177	LAKE RUSSELL - 0.8 MI SSW OF THE SWIMMING BEACH AT THE END OF DAY USE RD - CALHOUN FALLS STATE RECREATION AREA	ABBEVILLE	FW
RL-19179	LAKE HARTWELL - 0.5 MI SSW OF BOAT LANDING AT PORTMAN MARINA - NEARSHORE AT POINT ON WEST SIDE OF UNINHABITED ISLAND	ANDERSON	FW
RL-19251	LAKE YONAH - 0.7 MI NORTH OF DAM	OCONEE	FW
RL-19253	LAKE BLALOCK - IN COVE IN BETWEEN DANCING BROOKE LN AND DANCING WATER DR - 135M SE OF CUL-DE-SAC AT THE END OF DANCING BROOKE LN	SPARTANBURG	FW
RL-19255	LAKE TUGALOO - CENTER OF LAKE 1 MI NORTH OF DAM.		TPGT
RL-19257	LAKE BLALOCK - 75M NW OF THE END OF DAVIS TRADING POST RD	SPARTANBURG	FW
RS-09290	SIMMONS CREEK AT BRIDGE ON S-30-38	LAURENS	FW
RS-19446	REEDY FORK AT GRISTMILL ROAD. 1 LANE GRAVEL.	LAURENS	FW
RS-19450	VAUGHN CREEK AT DUG HILL ROAD S-23-319 UPSTREAM CROSSING	GREENVILLE	FW
RS-19458	BEAR CREEK AT FIRST CREEK ROAD S-04-201	ANDERSON	FW
RS-19461	ENOREE RIVER AT S-23-920 STALLINGS ROAD	GREENVILLE	FW
RS-19473	UNNAMED TRIBUTARY TO GOLDEN CREEK ON SILVERY LANE. ACUTALLY A PRIVATE DRIVEWAY WITH A SIGN THAT GIVES THE ADDRESSES 511 AND 513. HAVE TO WALK DOWN BANK TO SAMPLE BUT VERY CLEAR AND EASY ACCESS.	PICKENS	FW
RS-19477	BOILING CREEK AT KENSINGTON ROAD. DEEP ENOUGH OFF CONCRETE EDGE FOR DUNKER.	GREENVILLE	FW
RS-19501	REEDY RIVER AT S-22-455 HILLSIDE CHURCH ROAD	GREENVILLE	FW
SV-236	LAKE HARTWELL AT S-37-184 6.5 MI SSE OF SENECA	OCONEE	FW
SV-340	LK HARTWELL; MAIN BODY AT USACE WQ BUOY BTWN MRKRS 11 and 12	ANDERSON	FW
APPALACHIA II - BASE SITE - ACTIVE			
B-014	MIDDLE TYGER RVR AT S-42-64	SPARTANBURG	FW
B-018A	NORTH TYGER RVR AT S-42-231; 11 MI S OF SPARTANBURG	SPARTANBURG	FW

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - BASE SITE - ACTIVE (CONT.)			
B-040	ENOREE RVR AT S-30-112	LAURENS, SPARTANBURG	FW
B-126	N PACOLET RVR AT S-42-978; 1 MI SE OF FINGERVILLE	SPARTANBURG	FW
B-302	S PACOLET RVR AT S-42-866 1 MI SE CAMPOBELLO	SPARTANBURG	FW
B-332	S TYGER RVR AT S-42-86; 5 MI NE OF WOODRUFF	SPARTANBURG	FW
B-339	LAKE BOWEN 0.3 MI W OF SC 9	SPARTANBURG	FW
BL-001	LAWSONS FORK CK AT S-42-108	SPARTANBURG	FW
CL-019	LK JOCASSEE IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	OCONEE, PICKENS	TPGT
S-004	N SALUDA RVR AT BRDG AB JCT WITH SALUDA RVR E OF SC 186	GREENVILLE	FW
S-021	REEDY RVR AT S-30-06 E WARE SHOALS	LAURENS	FW
S-022	REEDY FORK OF LK GREENWOOD AT S-30-29	LAURENS	FW
S-024	LAKE GREENWOOD; HEADWATERS; JUST US S-30-33	LAURENS, GREENWOOD	FW
S-072	REEDY RVR ON HWY 418 AT FORK SHOALS	GREENVILLE	FW
S-096	RABON CK AT S-30-54 8.8 MI NW CROSS HILL	LAURENS	FW
S-119	SALUDA RVR AT S-04-178 3.2 MI SE WILLIAMSTON	ANDERSON, GREENVILLE	FW
S-125	SALUDA RVR AT US 25 BYPASS 1.5 MI ESE WARE SHOALS	LAURENS, GREENWOOD	FW
S-131	LK GREENWOOD AT US 221 7.6 MI NNW 96	GREENWOOD, LAURENS	FW
S-299	SOUTH SALUDA RVR AT SC 186	GREENVILLE, PICKENS	FW
S-308	LAKE GREENWOOD; REEDY RVR ARM; 150 YDS US RABON CK	LAURENS	FW
S-311	BOYD MILL POND .6 KM W DAM	LAURENS	FW
S-319	REEDY RVR AT RIVERS ST; DOWNTOWN GREENVILLE	GREENVILLE	FW
SV-004	CONEROSS CK AT SC 59	OCONEE	FW
SV-098	LAKE RUSSELL AT SC 72 3.1 MI SW CALHOUN FALLS	ABBEVILLE	FW
SV-111	THREE and TWENTY CREEK AT S-04-280	ANDERSON	FW
SV-137	TWELVE MILE CK AT S-39-337	PICKENS	FW
SV-199	CHATTOOGA RVR AT US ROUTE 76	OCONEE	ORW, FW
SV-200	TUGALOO RVR ARM OF LAKE HARTWELL AT US 123	OCONEE	FW
SV-203	LITTLE RVR AT S-37-24 7.1 MI NE OF WALHALLA	OCONEE	FW
SV-233	EIGHTEENMILE CK AT 2-04-279	ANDERSON	FW
SV-268	LAKE HARTWELL - EIGHTEEN MILE CK ARM AT S-04-1098	ANDERSON	FW
SV-331	LK SECESSION; 1 1/4 MI BELOW SC ROUTE 28	ANDERSON	FW
SV-335	LK JOCASSEE AT TOXAWAY; HORSE PASTURE; and LAUREL FORK CONFLUENCE	OCONEE, PICKENS	TPGT
SV-336	LK JOCASSEE AT CONFLUENCE OF THOMPSON AND WHITEWATER RVRS	OCONEE	TPGT

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - BASE SITE - ACTIVE (CONT.)			
SV-338	LK KEOWEE ABOVE SC ROUTE 130 AND DAM	OCONEE, PICKENS	FW
SV-339	LK HARTWELL; SENECA RVR ARM AT USACE BUOY BTWN S-14 AND S-15	ANDERSON	FW
SV-344	CHAUGA RIVER AT S-37-34	OCONEE	FW
SV-357	LAKE RUSSELL; ROCKY RVR ARM BETWEEN MARKERS 48 and 49; DS FELKEL	ABBEVILLE	FW
SV-361	LK KEOWEE IN FOREBAY OF LITTLE RIVER DAM	OCONEE	FW
SV-363	LAKE HARTWELL OFF GLENN FORD LANDING US BEAVERDAM CK COVE	ANDERSON, HART	FW
APPALACHIA II - TEMPORARY REQUESTED SITE - ACTIVE			
S-007	SALUDA RVR AT SC 81 SW OF GREENVILLE	ANDERSON, GREENVILLE	FW
S-325	BEAVERDAM CREEK AT SMITHVILLE ROAD S-30-426. DOWNTREAM OF COGGINS POULTRY. CLIMB DOWN BANK FOR ACCESS. PARKING BEST ON SE SIDE	LAURENS	FW
SV-374	LAKE HARTWELL - EIGHTEEN MILE CK ARM APPROX 227 YARDS SW OF 18 MILE CREEK BOAT LANDING	ANDERSON, ,	FW
APPALACHIA II - TEMPORARY - WATER OF CONCERN - ACTIVE			
B-037	ENOREE RVR AT S-42-118 SW OF WOODRUFF	LAURENS, SPARTANBURG	FW
RS-09284	BRUSHY CK AT BRIDGE ON S-42-194	SPARTANBURG	FW
RS-09304	CULVERT OVER FALL CREEK AT S-23-17	GREENVILLE	ORW, FW
RS-09316	CHINQUAPIN CK AT BRIDGE ON GARNER RD NEAR N PINE ST	SPARTANBURG	FW
RS-10348	ALEXANDER CK AT SC HWY 11	SPARTANBURG	FW
RS-10375	BRUSHY CK AT S-23-1973 -DRY POCKET RD	GREENVILLE	FW
RS-10380	UNNAMED TRIB TO MOTLOW CK AT S-42-869	SPARTANBURG	FW
RS-10394	PAYNE BRANCH AT S-23-451	GREENVILLE	FW
RS-10402	CLEAR CK AT S-01-163	ABBEVILLE	FW
RS-10403	CEDAR SHOALS CK AT S-42-204	SPARTANBURG	FW
RS-11002	MILL CREEK AT CULVERT ON OLD OLD HWY 11 ROAD -SIDE ROAD OFF CURRENT SC 11-; 3.75 MI N OF MARIETTA	GREENVILLE	FW
RS-11009	TWELVEMILE CREEK AT S-39-267; 3.5 MI SW OF PICKENS	PICKENS	FW
RS-11018	ENOREE RIVER AT S-30-112 -BEAVERDAM CREEK RD- 1 LANE GIRDER BRIDGE; 0.3 MI W OF US 221	LAURENS, SPARTANBURG	FW

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - TEMPORARY - WATER OF CONCERN - ACTIVE (CONT.)			
RS-11034	TYGER RIVER AT S-42-113; 8.3 MI E OF WOODRUFF	SPARTANBURG	FW
RS-11045	BEAVERDAM CREEK AT LONG ROAD S-04-18; OFF SC 81; 8.1 MI NE OF ANDERSON	ANDERSON	FW
RS-11053	WILSON CREEK AT OLD BRIDGE ON S-04-30 -FRED BRADFORD RD- WHICH IS BETWEEN SC 81 AND S-04-668 AND SOUTH OF S-04-156; 2.1 MI SE OF STARR	ANDERSON	FW
S-013	REEDY RVR AT S-23-30 3.9 MI SE GREENVILLE	GREENVILLE	FW
S-178	HUFF CK AT SC 418 1.6 MI NW FORK SHOALS	GREENVILLE	FW
S-304	BROAD MOUTH CK AT S-01-111	ABBEVILLE	FW
S-323	REEDY RVR AT S-23-316 3.5 MI SSW OF MAULDIN	GREENVILLE	FW
SV-230	EASTATOE CREEK AT S-39-143	PICKENS	TPGT
SV-348	LITTLE RIVER AT S-01-32	ABBEVILLE	FW
SV-349	LONG CANE CREEK AT S-01-159	ABBEVILLE	FW
SV-362	TWELVE MILE CK AT S-39-137	PICKENS	FW
APPALACHIA II - INACTIVE SITE			
B-005	SOUTH TYGER RVR AT S-42-63	SPARTANBURG	FW
B-008	TYGER RVR AT S-42-50 E. WOODRUFF	SPARTANBURG	FW
B-012	MIDDLE TYGER RVR AT S-42-63	SPARTANBURG	FW
B-019	JIMMIES CK AT S-42-201 2 MI E OF WOODRUFF	SPARTANBURG	FW
B-020	FAIRFOREST CK AT US 221 S OF SPARTANBURG	SPARTANBURG	FW
B-021	FAIRFOREST CK AT SC 56	SPARTANBURG	FW
B-026	N PACOLET RVR AT S-42-956 6.5 MI E LANDRUM	SPARTANBURG	FW
B-028	PACOLET RVR AT S-42-55 BL JCT OF N and S PACOLET R	SPARTANBURG	FW
B-035	DURBIN CK ON S-23-160 3 MI E OF SIMPSONVILLE	GREENVILLE	FW
B-038	LICK CK AT S-42-118 1 1/4 MI SW WOODRUFF	SPARTANBURG	FW
B-041	ENOREE RVR AT SC 49 SE OF WOODRUFF	LAURENS, SPARTANBURG	FW
B-097	DURBIN CREEK AT SC 418	LAURENS	FW
B-099A	ON # 1 INLET LK LANIER IN GREENVILLE CO	GREENVILLE	FW
B-099B	AT DAM LK LANIER IN GREENVILLE CO	GREENVILLE	FW
B-103	SPIVEY CK AT S-42-208 2.5 MI SSE OF LANDRUM	SPARTANBURG	FW
B-113	SPARTANBURG RESERVOIR #1 ON S-42-213 NE OF INMAN	SPARTANBURG	FW
B-148	MIDDLE TYGER RVR AT SC 14 2 MI SSW GOWANSVILLE	GREENVILLE	FW

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - INACTIVE SITE (CONT.)			
B-149	S TYGER RVR AT SC 14 2.9 MI NNW OF GREER	GREENVILLE	FW
B-150	WARRIOR CK AT US 221; 8 MI NNE OF LAURENS	LAURENS	FW
B-162	NORTH TYGER RVR AT US 221 7.6 MI NNE OF WOODRUFF	SPARTANBURG	FW
B-163A	PACOLET RVR AT BRDG ON S-42-737 2.9 MI NW OF COWPENS	SPARTANBURG	FW
B-164	FAIRFOREST CK AT S-42-651 3.5 MI SSE OF SPARTANBURG	SPARTANBURG	FW
B-186	MOUNTAIN CK AT S-23-335	GREENVILLE	FW
B-191	POTTER BR ON RD 30 BL OUTFALL FROM HOUSING PROJ COWPENS	SPARTANBURG	FW
B-192	PRINCESS CREEK AT SUBER MILL RD; SECOND RD S OF US 29 OFF S-23-540	GREENVILLE	FW
B-219	N TYGER RVR AT US 29 7.2 MI W OF SPARTANBURG	SPARTANBURG	FW
B-221	LAWSONS FK CK AT S-42-40 BL INMAN MILL EFF	SPARTANBURG	FW
B-231	BEARDS FORK CK AT US 276 -I-385- 3.7 MI NNE OF CLINTON	LAURENS	FW
B-235	KELSEY CK AT S-42-321	SPARTANBURG	FW
B-241	GILDER CK AT S-23-142 2.75 MI ENE OF MAULDIN	GREENVILLE	FW
B-246	BEAVERDAM CK AT S-30-97; 7 MI NE OF GRAY COURT	LAURENS	FW
B-259	LITTLE BUCK CK AT UN# CO RD 2.3 MI SW OF CHESNEE	SPARTANBURG	FW
B-263	S TYGER RVR AT SC 290 3.7 MI E OF GREER	SPARTANBURG	FW
B-277	LAWSONS FORK CK AT S-42-218 2.7 MI SSE OF INMAN	SPARTANBURG	FW
B-278	LAWSONS FORK CK AT UN# RD BL MILLIKEN CHEM	SPARTANBURG	FW
B-301	PAGE CK AT S-42-1258 1.7 MI SE LANDRUM	SPARTANBURG	FW
B-315	TRIB TO N TYGER RVR AT UN# RD BL JACKSON #2 EFF	SPARTANBURG	FW
B-317	MUSH CK AT SC 253 BL TIGERVILLE	GREENVILLE	FW
B-321	TRIB TO FAIRFOREST CK 200 FT BL S-42-65	SPARTANBURG	FW
B-331	PACOLET RVR AT S-42-59; BEACON LIGHT ROAD IN CLIFTON	SPARTANBURG	FW
B-340	LAKE BOWEN NEAR HEADWATERS; 0.4 KM W OF S-42-37	SPARTANBURG	FW
B-341	LAKE CUNNINGHAM IN FOREBAY NEAR DAM	GREENVILLE	FW
B-347	LAKE BLALOCK IN FOREBAY NEAR DAM	SPARTANBURG	FW
B-348	LAKE COOLEY IN FOREBAY NEAR DAM	SPARTANBURG	FW
B-735	DUNCAN CREEK RESERVOIR 6B IN FOREBAY NEAR DAM	LAURENS	FW
BE-001	ENOREE RVR AT UNNUM RD W US 25 N TRAVELERS REST	GREENVILLE	FW
BE-007	ROCKY CK AT BRDG IN BATESVILLE 1 MI AB JCT WITH ENOREE	GREENVILLE	FW
BE-009	BRUSHY CK AT S-23-164	GREENVILLE	FW
BE-015	ENOREE RVR AT CO RD 164	GREENVILLE	FW

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - INACTIVE SITE (CONT.)			
BE-017	ENOREE RVR AT SC 296; 7.5 MI NE OF MAULDIN	GREENVILLE, SPARTANBURG	FW
BE-018	ENOREE RVR AT S-30-75	LAURENS, SPARTANBURG	FW
BE-020	GILDER CK AT S-23-143 1/4 MI AB JCT WITH ENOREE RVR	GREENVILLE	FW
BE-024	ENOREE RVR AT US 221	LAURENS, SPARTANBURG	FW
BE-035	BRUSHY CK AT HOWELL RD -S-23-273/335- APPROX 5 MI NE OF GREENVILLE -BIO B-798	GREENVILLE	FW
BE-039	BEAVERDAM CK AT RD 1967	GREENVILLE	FW
BE-040	GILDER CK AT SC 14-AB GILDERS CK PT	GREENVILLE	FW
BL-005	LAWSONS FORK CK AT S-42-79 AT VALLEY FALLS	SPARTANBURG	FW
BP-001	PACOLET RVR AB DAM AT PACOLET MILLS	SPARTANBURG	FW
CL-033	LAKE CRAIG 45 M NORTHWEST OF DAM	SPARTANBURG	FW
CL-035	LAKE JOHNSON AT SPILLWAY AT S-42-359	SPARTANBURG	FW
CL-100	LAKE J. ROBINSON; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	GREENVILLE	FW
S-005	BR OF GEORGES CK AT S-39-192; 2.6 MI NE EASLEY	PICKENS	FW
S-010	BROAD MOUTH CK AT US 76	ANDERSON	FW
S-018	REEDY RVR AT S-23-448 1.75 MI SE CONESTEE	GREENVILLE	FW
S-034	LITTLE RVR AT US 76 BUS IN LAURENS ABOVE STP	LAURENS	FW
S-063	GEORGES CK AT US 123A - EASLEY	PICKENS	FW
S-067	BRUSHY CK ON GREEN ST EXT BL DUNEAN MILL ON SC 20	GREENVILLE	FW
S-070	REEDY RVR AT U.S. 76	LAURENS	FW
S-073	REEDY RVR AT UN# RD OFF US 276 .75 MI W TRAVELERS REST	GREENVILLE	FW
S-077	MIDDLE SALUDA RVR AT S-23-41	GREENVILLE	TN
S-084	BIG BRUSHY CK AT S-04-52 8.3 MI N WILLIAMSTON	ANDERSON	FW
S-086	MATTHEWS CK AT S-23-90	GREENVILLE	TN
S-087	SOUTH SALUDA RIVER AT S-23-101	GREENVILLE, PICKENS	FW
S-088	N SALUDA RVR AT S-23-42 5.2 MI NNW TIGERVILLE	GREENVILLE	ORW, FW
S-091	ROCKY CK AT S-23-453 3.5 MI SW OF SIMPSONVILLE	GREENVILLE	FW
S-097	LAKE GREENWOOD - CANE CK ARM AT SC 72 3.1 MI SW CROSS HILL	LAURENS	FW
S-103	OOLENOY RVR AT S-39-47	PICKENS	FW
S-134	HUFF CK AT S-23-331	GREENVILLE	FW
S-135	NORTH CK AT JCT WITH US 76 2.8 MI W OF CLINTON	LAURENS	FW
S-161	TRIB TO SALUDA RVR ON DURHAM ST BL CAROLINA PLATING	GREENVILLE	FW
S-171	GROVE CK AT UN# RD BELOW J P STEVENS ESTES PLANT	GREENVILLE	FW

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - INACTIVE SITE (CONT.)			
S-250	SALUDA LAKE AT FARRS BRDG ON SC 183 7 MI NE EASLEY	GREENVILLE, PICKENS	FW
S-252	MIDDLE SALUDA RVR AT SC 288 2.3 MI WSW SLATER	GREENVILLE	FW
S-264	LANGSTON CK AT SC 253	GREENVILLE	FW
S-267	TRIB TO SALUDA RVR 350 FT BL W PELZER STP ON S-23-53	ANDERSON	FW
S-289	BROAD MOUTH CK AT S-04-267	ANDERSON	FW
S-291	TABLE ROCK RESERVOIR AT WATER INTAKE	GREENVILLE, PICKENS	ORW, TPGT
S-292	NORTH SALUDA RESERVOIR AT WATER INTAKE	GREENVILLE	ORW, FW
S-296	LAKE RABON 300 FT US OF DAM	LAURENS	FW
S-297	LITTLE RVR AT SC ROUTE 127	LAURENS	FW
S-300	GEORGES CK AT S-39-28	PICKENS	FW
S-301	BIG BRUSHY CK AT S-04-143	ANDERSON	FW
S-302	BIG CK AT S-04-116	ANDERSON	FW
S-303	LAKE GREENWOOD 200 FT US OF DAM	GREENWOOD, NEWBERRY	FW
S-307	LAKE GREENWOOD; RABON CK ARM; .8 KM N RD S-30-307	LAURENS	FW
S-312	LAKE RABON; S RABON CK ARM; AT S-30-312	LAURENS	FW
S-313	LAKE RABON; N RABON CK ARM; 2.5 MI US DAM	LAURENS	FW
S-314	SALUDA LAKE; .5 MI US OF LANDING	GREENVILLE, PICKENS	FW
S-315	MILL CK AT BENT BRIDGE RD; BL CAROLINA PLATING	GREENVILLE	FW
S-316	MIDDLE SALUDA RVR AT US 276	GREENVILLE	FW
S-317	OIL CAMP CK AT S-23-097	GREENVILLE	TN
S-318	SOUTH SALUDA RVR AT SC 8	GREENVILLE, PICKENS	FW
S-320	SOUTH SALUDA RIVER AT S-39-113 -TABLE ROCK RD	GREENVILLE, PICKENS	FW
S-321	NORTH RABON CK AT S-30-32	LAURENS	FW
S-322	SOUTH RABON CK ON DIRT RD BETWEEN SC 101 and S-30-76	LAURENS	FW
S-798	LAKE OOLENOY AT DRAIN NEAR SPILLWAY AT SC 11	PICKENS	FW
SV-015	TWELVE MI CK AT S-39-51 N OF NORRIS	PICKENS	FW
SV-017	EIGHTEENMILE CK AT UNNUMBERED CO RD 2.25 MI SSW OF EASLEY	PICKENS	FW
SV-031	ROCKY RVR AT S-04-263 2.7 MI SE ANDERSON AT STP	ANDERSON	FW
SV-037	BETSY CK AT S-04-259 BL FIBERGLAS OUTFALL	ANDERSON	FW
SV-041	ROCKY RVR AT S-04-152 BL ROCKY RVR STP	ANDERSON	FW
SV-043	CHEROKEE CK AT S-04-318 4 MI S OF BELTON	ANDERSON	FW
SV-052	SAWNEY CK AT CO RD 1.5 MI SE OF CALHOUN FALLS	ABBEVILLE	FW

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - INACTIVE SITE (CONT.)			
SV-053B	BLUE HILL CK ON S MAIN ST ABBEVILLE	ABBEVILLE	FW
SV-100	LAKE RUSSELL AT SC 181 6.5 MI SW STARR	ANDERSON	FW
SV-106	MARTIN CK ARM OF LAKE HARTWELL AT S-37-65 N OF CLEMSON	OCONEE	FW
SV-107	LAKE HARTWELL - TWELVE MI CK ARM AT SC 133	PICKENS	FW
SV-108	CHOESTOE CREEK AT S-37-49	OCONEE	FW
SV-135	EIGHTEENMILE CK AT S-39-93 S OF CENTRAL	ANDERSON, PICKENS	FW
SV-136	FIRST CK AFTER LEAVING CENTRAL AT CLVT ON MAW BRDG RD	PICKENS	FW
SV-139	CUPBOARD CK AT S-04-733 AB BREAZEAL ST PLANT and BL BLAIR HILL	ANDERSON	FW
SV-140	CUPBOARD CK AT S-04-209 BL EFF FROM BELTON 2 PLANT	ANDERSON	FW
SV-141	BROADWAY CK AT US 76 BTWN ANDERSON and BELTON	ANDERSON	FW
SV-164	LITTLE RIVER AT S-01-24	ABBEVILLE	FW
SV-181	6 and 20 CK AT S-04-29 8.2 MI SE OF PENDLETON	ANDERSON	FW
SV-205	SIXMILE CREEK AT S-39-160	PICKENS	FW
SV-206	NORTH FORK AT US 178 2.9 MI N OF PICKENS	PICKENS	FW
SV-227	CHATTOOGA RVR AT SC 28 3.5 MI NW MT REST	OCONEE	ORW, FW
SV-239	GOLDEN CK AT S-39-222 1.2 MI NW OF LIBERTY	PICKENS	FW
SV-241	WOODSIDE BR AT US 123 1.5 MI E OF LIBERTY	PICKENS	FW
SV-245	EIGHTEENMILE CK AT S-39-27 3.3 MI S OF LIBERTY	PICKENS	FW
SV-249	LAKE HARTWELL; KEOWEE RVR HEADWATERS AT SC 183 3.8 MI WSW SIX MILE	OCONEE, PICKENS	FW
SV-258	BROADWAY LAKE; NEALS CK ARM 50% BETWEEN BANKS AT GOLF COURSE	ANDERSON	FW
SV-282	TWELVE MILE CK AT S-39-273 2.8 MI SSW OF PICKENS	PICKENS	FW
SV-288	LK HARTWELL; SENECA RVR ARM AT USACE BUOY BTWN MRKRS S-28A and S-29	ANDERSON	FW
SV-301	NORRIS CK AT S-37-435 1 MI S OF WESTMINSTER	OCONEE	FW
SV-308	E FK OF CHATTOOGA RVR AT SC 107 2 MI S OF ST LINE	OCONEE	ORW, FW
SV-311	LK KEOWEE AT SC 188 - CANE CK ARM 3.5 MI NW SENECA	OCONEE	FW
SV-312	LK KEOWEE AT SC 188 - CROOKED CK ARM 4.5 MI N SENECA	OCONEE	FW
SV-316	BIG GENEROSTEE CK AT CO RD 104	ANDERSON	FW
SV-319	BROADWAY LAKE; BROADWAY CK ARM UPSTREAM OF PUBLIC ACCESS	ANDERSON	FW
SV-321	BROADWAY LAKE FOREBAY; 50% BETWEEN SPILLWAY AND OPPOSITE LAND	ANDERSON	FW
SV-322	CONEROSS CK AT S-37-54 -LAKE HARTWELL	OCONEE	FW
SV-332	LK SECESSION APPROX 400 YDS ABOVE DAM	ABBEVILLE	FW
SV-333	CONEROSS CK AT S-37-13	OCONEE	FW

AMBIENT MONITORING SITES FOR APPALACHIA II

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
APPALACHIA II - INACTIVE SITE (CONT.)			
SV-334	LK JOCASSEE; MAIN BODY	OCONEE, PICKENS	TPGT
SV-337	LK JOCASSEE OUTSIDE COFFER DAM AT BAD CK PROJECT	OCONEE	TPGT
SV-341	LITTLE EASTATOE CREEK AT S-39-49	PICKENS	TPGT
SV-342	CANE CREEK AT S-37-133	OCONEE	FW
SV-343	LITTLE CANE CREEK AT S-37-133	OCONEE	FW
SV-345	BEAVERDAM CREEK AT S-37-66	OCONEE	FW
SV-346	ROCKY RIVER AT S-04-244	ANDERSON	FW
SV-347	WILSON CREEK AT S-04-294	ANDERSON	FW
SV-358	LAKE YONAH; 50% BETWEEN CENTER OF SPILLWAY AND OPPOSITE SHORE	OCONEE, STEPHENS	FW
SV-359	TUGALOO LAKE; FOREBAY EQUIDISTANT FROM SPILLWAY AND SHORELINES	OCONEE, HABERSHAM, RABUN	TPGT
SV-360	LAKE ISSAQUEENA; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	PICKENS	FW
SV-364	BEAVERDAM CREEK AT SC 243	ANDERSON	FW

AMBIENT MONITORING SITES FOR CATAWBA

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CATAWBA - 2019 STATISTICAL SURVEY SITE - ACTIVE			
B-779	SUGAR CREEK AT SR 52	UNION	FW
PD-109	LITTLE LYNCHES RIVER AT SC 341; 4 MI SE OF KERSHAW	KERSHAW, LANCASTER	FW
RL-19149	CEDAR CREEK RESERVOIR - 100 M NW OF END OF POWERLINE EASEMENT ON EASTERN SIDE OF LAKE	LANCASTER, CHESTER	FW
RL-19150	LAKE WHELCHER - 670M ENE OF BOAT LANDING ON WESTERN SIDE OF LAKE	CHEROKEE	FW
RL-19178	CROWDERS CREEK ARM - 125 YDS ENE OF BRIDGE	YORK	FW
RL-19254	CEDAR CREEK RESERVOIR - 15M EAST OF BOWDEN ISLAND SHORELINE	LANCASTER, CHESTER	FW
RL-19256	EUREKA LAKE - OFF DOCK APPROX 0.3 MI EAST OF SWIMMING BEACH ON LAKE	CHESTERFIELD	FW
RL-19258	GREAT FALLS RESERVOIR - WESTERN SIDE OF LAKE 0.7 MI NNW OF DAM	CHESTER	FW
RS-19476	SOUTH FORK OF FISHING CREEK AT S-12-192 HARVEY NEELY ROAD	CHESTER	FW
RS-19484	SOUTH FORK CROWDERS CREEK AT S-46-148 LLOYD WHITE ROAD	YORK	FW
RS-19500	SILVER CREEK AT S-46-996 KING ROAD. HAVE TO WALK DOWN TO SAMPLE BUT POWER LINE RIGHT-OF-WAY OFFERS GOOD PATH DOWN	YORK	FW
CATAWBA - BASE SITE - ACTIVE			
B-042	BROAD RVR AT SC 18 4 MI NE GAFFNEY	CHEROKEE	FW
B-044	BROAD RVR AT SC 211 12 MI SE OF GAFFNEY	CHEROKEE, YORK	FW
B-046	BROAD RVR AT SC 72/215/121 3 MI E OF CARLISLE	CHESTER, UNION	FW
B-048	PACOLET RVR AT SC 105 6 MI AB JCT WITH BROAD RVR	CHEROKEE, UNION	FW
B-057	BUFFALO CK AT SC 5 1 MI W OF BLACKSBURG	CHEROKEE	FW
B-062	THICKETTY CK AT SC 211 2 MI AB JCT WITH BROAD RVR	CHEROKEE	FW
B-075	SANDY RVR AT SC 215 2.5 MI AB JCT WITH BROAD RVR	CHESTER	FW
B-136	TURKEY CK AT SC 9; 14 MI NW OF CHESTER	CHESTER	FW
B-159	BULLOCK CK AT SC 97 4.8 MI S OF HICKORY GROVE	YORK	FW
B-333	KINGS CREEK AT S-11-209; 3 MI W OF SMYRNA	CHEROKEE, YORK	FW
BF-008	FAIRFOREST CK AT S-44-16 SW OF UNION	UNION	FW
CW-014	CATAWBA RVR AT US 21	YORK	FW
CW-016	CATAWBA RVR AT SC 9 AT FT LAWN	CHESTER, LANCASTER	FW
CW-017	CANE CK AT S-29-50	LANCASTER	FW
CW-023	CROWDERS CK AT S-46-564 NE CLOVER	YORK	FW
CW-036	SUGAR CREEK AT S-46-36	LANCASTER, YORK	FW

AMBIENT MONITORING SITES FOR CATAWBA

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CATAWBA - BASE SITE - ACTIVE (CONT.)			
CW-041	CATAWBA RVR AT SC 5 AB BOWATER	LANCASTER, YORK	FW
CW-057	FISHING CK RES 75 FT AB DAM NR GREAT FALLS	CHESTER, LANCASTER	FW
CW-083	TWELVEMILE CK AT S-29-55 0.3 MI NW OF VAN WYCK	LANCASTER	FW
CW-197	LAKE WYLIE AB MILL CK ARM AT END OF S-46-557	YORK	FW
CW-201	LK WYLIE N LAKEWOODS S/D AT EBENEZER ACCESS	YORK	FW
CW-231	LK WATEREE HEADWATERS APPROX 50 YDS DS CONFL CEDAR CK	LANCASTER, FAIRFIELD	FW
CW-233	FISHING CREEK AT S-12-77	CHESTER	FW
CW-236	ROCKY CK AT S-12-138	CHESTER	FW
CW-249	ALLISON CK AT S-46-114	YORK	FW
PD-009	LYNCHES RVR AT US 1	CHESTERFIELD, KERSHAW	FW
PD-066	LYNCHES RVR AT S-13-42	CHESTERFIELD, KERSHAW	FW
PD-251	BLACK CK AT US 1	CHESTERFIELD	FW-SP
PD-327	LK ROBINSON AT S-13-346 5 MI E MCBEE BY BOAT	CHESTERFIELD	FW-SP
PD-338	THOMPSON CK AT S-13-148 S OF CHERAW	CHESTERFIELD	FW
PD-344	LITTLE LYNCHES RIVER AT SC 341; 3.5 MI SE OF BETHUNE	KERSHAW	FW
CATAWBA - TEMPORARY REQUESTED SITE - ACTIVE			
CW-016F	FISHING CK RES 2 MI BL CANE CREEK	CHESTER, LANCASTER	FW
CW-029	FISHING CK AT SC 49 NE YORK	YORK	FW
CW-033	CEDAR CK RESERVOIR 100 M N OF DAM	LANCASTER, FAIRFIELD	FW
CW-174	CEDAR CK RESERVOIR AT UNIMP RD AB JCT WITH ROCKY CK	CHESTER	FW
CW-230	LAKE WYLIE AT DAM; UNDER POWERLINES	YORK	FW
RS-17340	LITTLE ROCKY CREEK AT S-12-52; ROSS DYE ROAD	CHESTER	FW
RS-17352	SIXMILE CREEK AT S-29-65; SHELLY MULLIS ROAD	LANCASTER	FW
CATAWBA - TEMPORARY - WATER OF CONCERN - ACTIVE			
PD-063	CROOKED CREEK AT SC 912	MARLBORO	FW
PD-191	WHITE CREEKS AT US 1	MARLBORO	FW
RS-10331	HODGES BRANCH AT S-12-354	CHESTER	FW
RS-10336	BULLOCK CK AT S-46-889. THIS IS THE SECOND BRIDGE COMING FROM S-46-1052	YORK	FW

AMBIENT MONITORING SITES FOR CATAWBA

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CATAWBA - TEMPORARY - WATER OF CONCERN - ACTIVE (CONT.)			
RS-10361	LITTLE FORK CK AT DIRT RD -S-13-151- OFF OF S-13-39. -DREW BAKER RD ACCORDING TO MAP NOT AT STOP SIGN	CHESTERFIELD	FW
RS-10377	INDIAN CK AT SCOTCH ROAD JUST OFF OF SC 102	CHESTERFIELD	FW
RS-11004	GOODMANS CREEK AT US 52; BEST ON DOWNSTREAM SIDE; 3.8 MI NW OF CHERAW	CHESTERFIELD	FW
RS-11050	NELLS BRANCH AT S-11-44; 9.1 MI ESE OF GAFFNEY	CHEROKEE	FW
RS-11056	FISHING CK AT S-46-1172; 4.7 MI SE OF YORK	YORK	FW
RS-13114	BRIDGE OVER MORRIS BRANCH AT S-44-163 -DEEP WATER ROAD	Union	FW
RS-13136	BRIDGE OVER CROWDERS CREEK AT S-46-152 -RIDDLE MILL ROAD	York	FW
RS-13144	BRIDGE AT SC HWY 97 OVER CEDAR CREEK -CEDAR CREEK ROAD	Lancaster	FW
RS-13146	SUGAR CREEK AT S-44-223 -BOGAN RD- BRIDGE	Union	FW
RS-13152	DAIRY BRANCH AT DEER BRANCH RD OFF US 21	Chester	FW
RS-13162	GILKEY CREEK AT S-11-92 -BRIDGE HOUSE RD	Cherokee	FW
RS-13168	SIXMILE CREEK AT S-29-126 -COLLINS ROAD	Lancaster	FW
RS-14182	ZEKIAL CREEK AT SC 110	CHEROKEE	FW
RS-14200	GILLS CREEK AT S-29-51; CAMP CREEK RD	LANCASTER	FW
RS-14210	FAIRFOREST CREEK AT S-44-279 GIST BRIDGE RD	UNION	FW
RS-14216	ROCKY CREEK AT SC 901; MOUNTAIN GAP RD	CHESTER	FW
RS-15256	LYNCHES RIVER AT S-13-823 WINTERTIDE DRIVE/S-13-823	Chesterfield, Lancaster	FW
RS-15284	CONRAD CREEK AT S-46-1273 HAWLEY ROAD	YORK	FW
RS-16312	CATTAIL BRANCH AT S-13-54 EVANS MILL ROAD	CHESTERFIELD	FW
CATAWBA - INACTIVE SITE			
B-051	TYGER RVR AT SC 72 5.5 MI SW OF CARLISLE	UNION	FW
B-056	CHEROKEE CK AT US 29 3 MI E OF GAFFNEY	CHEROKEE	FW
B-059	IRENE CK AT S-11-307 2.5 MI W OF GAFFNEY	CHEROKEE	FW
B-064	MENG CK AT SC 49 2.5 MI E OF UNION	UNION	FW
B-067A	TOSCHS CK AT S-44-75 2 MI SW OF UNION	UNION	FW
B-067B	TOSCHS CK AT ANIMAL SHELTER RD TO SEWAGE TP OFF SC 49 SW OF UNION	UNION	FW
B-074	DRY FORK AT S-12-304 2 MI SW OF CHESTER	CHESTER	FW
B-086	ROSS BR TO TURKEY CK AT SC 49 SW OF YORK	YORK	FW
B-088	CANOE CK AT S-11-245 1/2 MI W OF BLACKSBURG	CHEROKEE	FW

AMBIENT MONITORING SITES FOR CATAWBA

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CATAWBA - INACTIVE SITE (CONT.)			
B-095	THICKETTY CREEK AT S-11-164	CHEROKEE	FW
B-100	PEOPLES CK AT S-11-50 6 MI E OF GAFFNEY	CHEROKEE	FW
B-119	BUFFALO CREEK AT S-11-213; 2.2 MI NNW OF BLACKSBURG	CHEROKEE	FW
B-128	LIMESTONE CK AT S-11-301	CHEROKEE	FW
B-133	THICKETTY CK AT SC 18 8.3 MI S OF GAFFNEY	CHEROKEE	FW
B-155	BROWNS CK AT S-44-86; 8 MI E OF UNION	UNION	FW
B-199	MITCHELL CK AT CO RD 233 2.3 MI SSW OF JONESVILLE	UNION	FW
B-211	PEOPLES CK AT UNIMPROVED RD 2.3 MI E OF GAFFNEY	CHEROKEE	FW
B-243	TRIB TO MENG CK AT CLVT ON S-44-384 3 MI E OF UNION	UNION	FW
B-286	TINKER CK AT RD TO STP 1.3 MI SSE OF UNION	UNION	FW
B-287	TINKER CK AT UN# CO RD 1.7 MI SSE OF UNION	UNION	FW
B-323	DOOLITTLE CK AT S-11-100 1.25 MI SE OF BLACKSBURG	CHEROKEE	FW
B-325	CLARK FORK INTO CRAWFORD LK ON UN# RD NEAR SC 161 and 705-KINGS MT	YORK	FW
B-326	LONG BRANCH ON SC 216 BL KINGS MTN PK REC AREA	YORK	FW
B-330	GUYONMOORE CREEK AT S-46-233	YORK	FW
B-334	GILKEY CK AT S-11-231; 9 MI SE OF GAFFNEY	CHEROKEE	FW
B-335	GREGORYS CK AT S-44-86; 8 MI E OF UNION	UNION	FW
B-336	TINKER CK AT S-44-278; 9 MI SSE OF UNION	UNION	FW
B-342	LAKE THICKETTY IN FOREBAY NEAR DAM	CHEROKEE	FW
B-343	LAKE CHEROKEE IN FOREBAY NEAR DAM	CHEROKEE	FW
B-344	LAKE JOHN D. LONG IN FOREBAY NEAR DAM	UNION	FW
B-351	BROAD RVR AT SANDY AND BROAD RVR BOAT RAMP	CHESTER, UNION	FW
B-737	LAKE YORK IN KINGS MOUNTAIN STATE PARK	YORK	FW
BF-007	FAIRFOREST CK ON CO RD 12 SW OF JONESVILLE	UNION	FW
CL-021	LAKE OLIPHANT; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	CHESTER	FW
CL-023	CHESTER STATE PARK LAKE 100 M EAST OF SPILLWAY	CHESTER	FW
CL-086	LAKE WALLACE; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	MARLBORO	FW
CL-088	JUNIPER LAKE; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	CHESTERFIELD	FW
CL-094	LK ROBINSON IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES FROM PRIVATE ACCESS	DARLINGTON	FW-SP
CW-002	ROCKY CK AT S-12-335 3.5 MI E OF CHESTER	CHESTER	FW
CW-005	FISHING CK AT S-46-347 DS YORK WWTP	YORK	FW

AMBIENT MONITORING SITES FOR CATAWBA

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CATAWBA - INACTIVE SITE (CONT.)			
CW-006	WILDCAT CK AT S-46-650	YORK	FW
CW-008	FISHING CK AT SC 223 NE RICHBURG	CHESTER	FW
CW-009	STEELE CK AT S-46-22 N OF FORT MILL	YORK	FW
CW-011	STEELE CK AT S-46-270	YORK	FW
CW-013	SUGAR CK AT SC 160 E OF FORT MILL	LANCASTER, YORK	FW
CW-024	CROWDERS CREEK AT S-46-1104	YORK	FW
CW-027	LK WYLIE; CROWDERS CK ARM AT SC 49 AND SC 274	YORK	FW
CW-047	GILLS CK AT US 521 NNW OF LANCASTER	LANCASTER	FW
CW-064	MCALPINE CK AT S-29-64	LANCASTER	FW
CW-088	GRASSY RUN BR AT SC 72 1.6 MI NE CHESTER	CHESTER	FW
CW-096	WILDCAT CK AT S-46-998 9 MI ENE OF MCCONNELLS	YORK	FW
CW-105	BROWN CREEK AT S-46-228 -GUINN ST-; 0.3 MI WEST OF OLD NORTH MAIN STREET IN CLOVER; SC	YORK	FW
CW-131	BEAR CK AT S-29-292 1.6 MI W OF LANCASTER	LANCASTER	FW
CW-134	CALABASH BR AT S-46-414 2.5 MI SE OF CLOVER	YORK	FW
CW-145	WAXHAW CK AT S-29-29	LANCASTER	FW
CW-151	BEAR CK AT S-29-362 3.5 MI SE OF LANCASTER	LANCASTER	FW
CW-152	CROWDERS CK AT US 321 0.5 MI N OF NC ST LINE	YORK	FW
CW-153	BEAVERDAM CK AT S-46-152 8 MI E OF CLOVER	YORK	FW
CW-171	ALLISON CK AT US 321 3.1 MI S OF CLOVER	YORK	FW
CW-175	CEDAR CK RESERVOIR/ROCKY CK AT S-12-141 SE OF GREAT FALLS	CHESTER	FW
CW-176	SIXMILE CREEK AT S-29-54	LANCASTER	FW
CW-185	CANE CK AT SC 200 5 MI NNE OF LANCASTER	LANCASTER	FW
CW-192	SOUTH FORK CROWDERS CK AT S-46-79 4.5 MI NW OF CLOVER	YORK	FW
CW-198	LAKE WYLIE OUTSIDE MOUTH OF CROWDERS CK ARM	YORK	FW
CW-200	LK WYLIE AT SC 274 9 MI NE OF YORK	YORK	FW
CW-203	STEELE CK AT S-46-98	YORK	FW
CW-212	TOOLS FORK AT S-46-195 7 MI NW OF ROCK HILL	YORK	FW
CW-213	BIG PINE TREE CK AT I-20	KERSHAW	FW
CW-214	WATEREE RVR AT I-20	KERSHAW	FW
CW-221	UNNAMED TRIB TO CATAWBA RVR AT HWY 161 0.4 MI W OF I-77	YORK	FW
CW-224	FISHING CREEK AT S-46-163	YORK	FW

AMBIENT MONITORING SITES FOR CATAWBA

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CATAWBA - INACTIVE SITE (CONT.)			
CW-225	FISHING CREEK AT S-46-503	YORK	FW
CW-226	MCALPINE CREEK AT US 521; NC	LANCASTER	FW
CW-227	NEELYS CREEK AT 2-46-997	YORK	FW
CW-232	RUM CK AT S-29-187	LANCASTER	FW
CW-234	TINKERS CK AT S-12-599	CHESTER	FW
CW-235	CAMP CK AT SC 97	LANCASTER	FW
CW-245	LAKE WYLIE; CROWDERS CK ARM AT FIRST POWERLINES US OF MAIN POOL	YORK	FW
CW-246	SUGAR CK US OF CONFLUENCE W/ MCALPINE CK	YORK, LANCASTER	FW
CW-247	SUGAR CK AT MECKLENBURG CO ROAD 51 -IN N.C.	MECKLENBURG	FW
CW-248	LITTLE SUGAR CK AT US 521 -IN N.C.	MECKLENBURG	FW
PD-001	LYNCHES RIVER AT SC 265	CHESTERFIELD, LANCASTER	FW
PD-004	BLACK CK AT S-13-43 1 MI NE NICEY GROVE	CHESTERFIELD	FW
PD-005	TODD'S BR AT S-29-564 1.5 MI NE OF KERSHAW	LANCASTER	FW
PD-006	LITTLE LYNCHES RVR AT US 601 2 MI NE KERSHAW	LANCASTER	FW
PD-067	FORK CK AT SC 151	CHESTERFIELD	FW
PD-068	FORK CK AT UN# RD 1.5 MI SW JEFFERSON	CHESTERFIELD	FW
PD-080	LYNCHES RVR AT S-28-15 4.5 MI SE BETHUNE	KERSHAW, DARLINGTON	FW
PD-113	LYNCHES RVR AT SC 9 W OF PAGELAND	CHESTERFIELD, LANCASTER	FW
PD-151	CEDAR CREEK AT US 52	CHESTERFIELD, DARLINGTON	FW
PD-152	THOMPSON CK AT US 1 2.2 MI SW OF CHERAW	CHESTERFIELD	FW
PD-179	N BR WILDCAT CK AT S-29-39 1 MI S OF TRADESVILLE	LANCASTER	FW
PD-180	S BR WILDCAT CK AT S-29-39 2 MI S OF TRADESVILLE	LANCASTER	FW
PD-215	LITTLE FORK CK AT S-13-265 1.5 MI SW JEFFERSON	CHESTERFIELD	FW
PD-246	THOMPSON CK AT S-13-243 0.8 MI NE OF CHESTERFIELD	CHESTERFIELD	FW
PD-247	THOMPSON CK AT SC 9 1.5 MI ESE OF CHESTERFIELD	CHESTERFIELD	FW
PD-328	HANGING ROCK CK AT S-29-764 1.6 MI S OF KERSHAW	LANCASTER	FW
PD-329	LICK CK AT S-29-13 ABOVE KERSHAW PT	LANCASTER	FW
PD-333	HILLS CREEK AT S-13-105	CHESTERFIELD	FW
PD-334	HAILE GOLD MINE CREEK AT S-29-188	LANCASTER	FW
PD-335	HORTON CREEK AT S-29-95	LANCASTER	FW
PD-339	WESTFIELD CREEK AT US 52	CHESTERFIELD	FW
PD-340	JUNIPER CREEK AT S-13-494	CHESTERFIELD	FW

AMBIENT MONITORING SITES FOR CATAWBA

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CATAWBA - INACTIVE SITE (CONT.)			
PD-342	FLAT CREEK AT S-29-123	LANCASTER	FW
PD-343	LITTLE LYNCHES RIVER AT S-28-42	KERSHAW	FW
PD-366	HILLS CREEK AT S-13-545	CHESTERFIELD	FW

AMBIENT MONITORING SITES FOR CENTRAL MIDLANDS

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CENTRAL MIDLANDS - 2019 STATISTICAL SURVEY SITE - ACTIVE			
RL-13081	PARR RESERVOIR APPROX 0.5 MI NNW OF B-345	FAIRFIELD	FW
RL-19158	LAKE MURRAY APROX 0.25 MILES NE OF END OF ROCK ISLAND RD	LEXINGTON	FW
RL-19166	LAKE WATEREE- NEAR END OF TAYLOR CREEK ARM	FAIRFIELD	FW
RL-19170	LAKE MONTICELLO- IN COVE LOCATED HALF WAY BETWEEN ENDS OF LIGHTED LANE AND FIRESIDE DRIVE	FAIRFIELD	FW
RL-19174	LAKE MURRAY - 133 METERS NNE OF COVE OFF OF PUTNAM DR	LEXINGTON	FW
RS-19453	MUDLICK CREEK AT S-38-48 ISLAND FORD ROAD. PAVED.	NEWBERRY	FW
RS-19464	BIG CEDAR CREEK AT US 321 WINSBORRO ROAD	FAIRFIELD, RICHLAND	FW
RS-19488	BROAD RIVER OFF COLUMBIA ROWING CLUB DOCK - WALK AROUND GATES AND SAMPLE OFF END OF DOCK	RICHLAND	FW
CENTRAL MIDLANDS - BASE SITE - ACTIVE			
B-047	BROAD RVR AT SC 34 14 MI NE OF NEWBERRY	FAIRFIELD, NEWBERRY	FW
B-053	ENOREE RVR AT SC 72; 121; and US 176; 1 MI NE WHITMIRE	NEWBERRY, UNION	FW
B-054	ENOREE RVR AT S-36-45 3.5 MI AB JCT WITH BROAD RVR	NEWBERRY	FW
B-072	DUNCAN CK AT US 176 1.5 MI SE OF WHITMIRE	NEWBERRY	FW
B-320	BIG CEDAR CK AT SC 215	RICHLAND	FW
B-327	MONTICELLO LK-LOWER IMPOUNDMENT BETWEEN LARGE ISLANDS	FAIRFIELD	FW
B-337	BROAD RVR AT US 176 -BROAD RIVER RD- IN COLUMBIA	RICHLAND	FW
B-345	PARR RESERVOIR IN FOREBAY NEAR DAM	NEWBERRY, FAIRFIELD	FW
B-349	TYGER RVR AT S-44-35 3.5 MI S OF CARLISLE	UNION, NEWBERRY	FW
B-350	LITTLE RVR AT SC 215; 1.5 MI NE OF CONFLUENCE WITH BROAD RVR	RICHLAND, FAIRFIELD	FW
B-352	INDIAN CREEK AT MONUMENT ROAD OFF S-36-36	NEWBERRY	FW
C-007	CONGAREE RVR AT US 601 -SC-001	CALHOUN, RICHLAND	FW
C-017	GILLS CK AT SC 48 -BLUFF ROAD	RICHLAND	FW
C-070	CONGAREE CK AT S-32-66	LEXINGTON	FW
C-072	TOMS CK AT SC 48	RICHLAND	FW
C-074	CONGAREE RVR; WEST BOUNDARY OF CONGAREE SWAMP MONUMENT	RICHLAND, CALHOUN	FW
C-075	CEDAR CK SOUTH OF S-40-734 OLD BLUFF ROAD; AT CANOE LAUNCH	RICHLAND	FW
CL-089	LK WATEREE IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	KERSHAW	FW
CW-019	WATEREE RVR AT US 1/601/SC 34 -W DEKALB ST	KERSHAW	FW

AMBIENT MONITORING SITES FOR CENTRAL MIDLANDS

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CENTRAL MIDLANDS - BASE SITE - ACTIVE (CONT.)			
CW-206	WATEREE RVR AT US 76 and 378	RICHLAND, SUMTER	FW
CW-222	WATEREE RIVER 1.6 MI US CONFLUENCE WITH CONGAREE -NEAR SC-002	RICHLAND, SUMTER	FW
S-047	SALUDA RVR AT SC 121	NEWBERRY, SALUDA	FW
S-102	BUSH RVR AT S-36-41 8.5 MI S OF NEWBERRY	NEWBERRY	FW
S-211	HOLLANDS LANDING LK MURRAY OFF S-36-26 AT END OF S-36-3	NEWBERRY	FW
S-213	LAKE MURRAY AT S-36-15	LEXINGTON, NEWBERRY	FW
S-222	LAKE MURRAY; LITTLE SALUDA ARM AT SC 391	SALUDA	FW
S-298	SALUDA RVR AT USGS GAGING STATION; 1/2 MI BELOW I-20	LEXINGTON, RICHLAND	TPGT-SP
S-305	LITTLE RVR AT SC 34	NEWBERRY	FW
S-309	LAKE MURRAY; BUSH RVR ARM; 4.6 KM US SC 391	NEWBERRY	FW
S-310	LAKE MURRAY; SALUDA RVR ARM; US BUSH RVR; 3.8 KM US SC 391	NEWBERRY, SALUDA	FW
CENTRAL MIDLANDS - TEMPORARY REQUESTED SITE - ACTIVE			
B-080	BROAD RIVER DIVERSION CANAL AT COLA WATER PLANT	RICHLAND	FW
CSB-001L	CONGAREE RVR AT BLOSSOM ST -SALUDA RIVER	LEXINGTON, RICHLAND	FW
CSB-001R	CONGAREE RVR AT BLOSSOM ST -BROAD RIVER	LEXINGTON, RICHLAND	FW
CW-040	LITTLE WATEREE CK AT S-20-41 5 MI E OF WINNSBORO	FAIRFIELD	FW
CW-072	BIG WATEREE CK AT US 21	FAIRFIELD	FW
CW-207	LK WATEREE AT END OF S-20-291	FAIRFIELD, KERSHAW	FW
CW-251	HOGFORK BRANCH AT S-20-20 CAMP WELFARE ROAD	FAIRFIELD	FW
CW-252	BIG WATEREE CREEK AT S-20-20 CAMP WELFARE ROAD	FAIRFIELD	FW
S-287	RAWLS CREEK AT S-32-107	LEXINGTON	FW
SC-004	UPPER SANTEE RIVER 0.2 KM UPSTRM OF MOUTH OF BROADWATER CR.	SUMTER	FW
CENTRAL MIDLANDS - TEMPORARY - WATER OF CONCERN - ACTIVE			
CW-021	BIG PINE TREE CK AT US 521; NW BRIDGE	KERSHAW	FW
CW-082	SWIFT CK AT S-28-12	KERSHAW	FW
CW-154	KELLY CK AT S-28-367 2.9 MI SE OF ELGIN	KERSHAW	FW
CW-155	SPEARS CK AT SC 12 3.6 MI SE OF ELGIN	KERSHAW	FW
CW-166	SPEARS CK AT US 601	KERSHAW	FW

AMBIENT MONITORING SITES FOR CENTRAL MIDLANDS

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CENTRAL MIDLANDS - TEMPORARY - WATER OF CONCERN - ACTIVE (CONT.)			
CW-237	GRANNIES QUARTER CK AT SC 97	KERSHAW	FW
CW-250	COLONELS CK AT SC 262	RICHLAND	FW
RS-06007	SOUTH FORK DUNCAN CREEK AT GRAVEL RD -LITTLE N CAROLINA RD- NEXT TO SEABOARD COAST LINE RR ENTER LITTLE N CAROLINA RD FROM SC 72 11.8 MI E OF CLINTON 3.5 MI W OF WHITMIRE	LAURENS	FW
RS-09312	CEDAR CREEK AT BRIDGE ON S-40-2561 NEAR BEULAH CHURCH AND GATE TO MCINTYRE AIRBASE; ROAD NOT ON COUNTY MAP	RICHLAND	FW
RS-09323	LIGHTWOOD KNOT BRANCH AT TRENHOLM RD EXTENSION	RICHLAND	FW
RS-10339	WEIR CK AT S-20-90	FAIRFIELD	FW
RS-10387	KERR CK AT S-36-436	NEWBERRY	FW
RS-10408	BUCKHEAD CK AT SC-419	CALHOUN	FW
RS-11041	CRIMS CREEK AT BRIDGE AT S-36-170; 2.7 MI E OF POMARIA	NEWBERRY	FW
S-290	CAMPING CK S-36-202 BLW GA PACIFIC	NEWBERRY	FW
CENTRAL MIDLANDS - INACTIVE SITE			
B-077	WINNSBORO BR BELOW PLANT OUTFALL	FAIRFIELD	FW
B-102	JACKSON CK AT S-20-54; 5 MI W OF WINNSBORO	FAIRFIELD	FW
B-110	ELIZABETH LAKE AT SPILLWAY ON US 21	RICHLAND	FW
B-123	WINNSBORO BR AT US 321-AB WINNSBORO MILLS OUTFALL	FAIRFIELD	FW
B-145	LITTLE RVR AT S-20-60 3.1 MI SE OF JENKINSVILLE	FAIRFIELD	FW
B-236	BROAD RVR AT SO. RR TRESTLE; 0.5 MI DS OF SC 213	FAIRFIELD	FW
B-280	SMITH BR AT N MAIN ST -US 21- IN COLA	RICHLAND	FW
B-316	CRANE CK AT S-40-43 UNDER I-20 - N COLA	RICHLAND	FW
B-328	MONTICELLO LK-UPPER IMPOUNDMENT AT BUOY IN MIDDLE OF LAKE	FAIRFIELD	FW
B-338	MILL CK AT S-20-48; 10 MI SW OF WINNSBORO	FAIRFIELD	FW
B-346	PARR RESERVOIR 4.8 KM N OF DAM; UPSTREAM MONTICELLO RESERVOIR	NEWBERRY, FAIRFIELD	FW
C-001	GILLS CK AT BRDG ON US 76 -GARNERS FERRY ROAD	RICHLAND	FW
C-005	SIXMILE CK ON US 21 S OF CAYCE	LEXINGTON	FW
C-007E	CONGAREE RVR AT MOSS CAMP -OLD USGS GAGE ON RT BANK	RICHLAND, CALHOUN	FW
C-007H	CONGAREE RVR 1.5 MI DS BATES MILL CK	RICHLAND, CALHOUN	FW
C-008	CONGAREE CK AT US 21 AT CAYCE WATER INTAKE	LEXINGTON	FW

AMBIENT MONITORING SITES FOR CENTRAL MIDLANDS

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CENTRAL MIDLANDS - INACTIVE SITE (CONT.)			
C-009	SANDY RUN AT US 176	CALHOUN	FW
C-021	MILL CK AT SC 262	RICHLAND	FW
C-022	MILL CK AT US 76 AT PINEWOOD LK 8 MI SE OF COLA	RICHLAND	FW
C-025	SIXMILE CK AT SC 602 PLATT SPRINGS RD	LEXINGTON	FW
C-048	WINDSOR LK SPILLWAY ON WINDSOR LK BLVD	RICHLAND	FW
C-058	LK INSPIRATION - ST MATTHEWS -FRONT OF HEALTH DEPT	CALHOUN	FW
C-061	SAVANA BR AT S-32-72 1.7 MI NNW OF S CONGAREE	LEXINGTON	FW
C-063	HALFWAY SWP CK AT S-09-43 3 MI E OF ST MATTHEWS	CALHOUN	FW
C-066	RED BANK CK AT S-32-244	LEXINGTON	FW
C-067	RED BANK CK AT SANDY SPRINGS RD BTWN S-32-104 and SC 602	LEXINGTON	FW
C-068	FOREST LAKE AT DAM	RICHLAND	FW
C-069	CEDAR CREEK AT S-40-66	RICHLAND	FW
C-071	CEDAR CK AT S-40-734	RICHLAND	FW
C-073	REEDER POINT BR AT SC 48	RICHLAND	FW
CL-078	ADAMS MILLPOND; FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	KERSHAW	FW
CL-083	LK MURRAY IN FOREBAY EQUIDISTANT FROM DAM AND SHORELINES	LEXINGTON	FW
CW-079	SAWNEYS CK AT S-28-37	KERSHAW	FW
CW-080	TWENTYFIVE MILE CK AT S-28-5 3.7 MI W OF CAMDEN	KERSHAW	FW
CW-208	LK WATEREE AT S-20-101 11 MI ENE WINNSBORO	FAIRFIELD	FW
CW-209	LK WATEREE AT SMALL ISLAND 2.3 MI N OF DAM	KERSHAW	FW
CW-223	LITTLE PINE TREE CREEK AT S-28-132	KERSHAW	FW
CW-228	SAWNEYS CK AT S-20-151	FAIRFIELD	FW
CW-229	BEAR CK AT S-40-82	RICHLAND	FW
CW-238	SWIFT CK AT SC 261	KERSHAW	FW
CW-240	COLONELS CK AT US 601	RICHLAND	FW
CW-241	HALFWAY SWP CK AT S-09-72	CALHOUN	FW
CW-242	UNNAMED TRIB TO HALFWAY SWAMP CK AT S-09-158	CALHOUN	FW
CW-244	JACKS CK AT S-14-76 -SC-013	CLARENDON	FW
E-034	BULL SWP CK AT CLVT ON UNIMP RD 1.1 MI NW OF SWANSEA	LEXINGTON	FW
E-035	BULL SWP CK AT US 321 0.9 MI S OF SWANSEA	LEXINGTON	FW
E-101	LIGHTWOOD KNOT CK OFF S-32-77 AT BATESBURG WATER INTAKE	LEXINGTON	FW
S-038	LITTLE RVR AT SC 560	LAURENS	FW

AMBIENT MONITORING SITES FOR CENTRAL MIDLANDS

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
CENTRAL MIDLANDS - INACTIVE SITE (CONT.)			
S-042	BUSH RIVER AT SC 560 S OF JOANNA	NEWBERRY, LAURENS	FW
S-044	SCOTT CK AT SC 34 SW OF NEWBERRY	NEWBERRY	FW
S-046	BUSH RIVER AT S.C. ROUTE 34	NEWBERRY	FW
S-099	LITTLE RVR AT S-36-22 8.3 MI NW SILVERSTREET	NEWBERRY	FW
S-149	SALUDA RVR AT MEPCO ELECT. PLANT WATER INTAKE SSE IRMO	LEXINGTON	TPGT-SP
S-150	LORICK BR AT PT UPSTRM OF JCT WITH SALUDA RVR	LEXINGTON	FW
S-152	SALUDA RVR JUST BELOW LK MURRAY DAM	LEXINGTON	TPGT-SP
S-204	LK MURRAY AT DAM AT SPILLWAY -MARKER 1	LEXINGTON	FW
S-212	MACEDONIA LANDING LK MURRAY AT END OF S-36-26 MACEDONIA	NEWBERRY	FW
S-223	BLACKS BR; LK MURRAY AT SC 391	NEWBERRY, SALUDA	FW
S-260	KINLEY CK AT S-32-36 -ST. ANDREWS RD- IN IRMO	LEXINGTON	FW
S-273	LK MURRAY AT MARKER 166	LEXINGTON	FW
S-274	LK MURRAY AT MARKER 143	LEXINGTON, RICHLAND	FW
S-279	LK MURRAY AT MARKER 63	LEXINGTON, NEWBERRY, SALUD	FW
S-280	LK MURRAY AT MARKER 102	LEXINGTON, NEWBERRY	FW
S-294	TWELVEMILE CREEK AT U.S. ROUTE 378	LEXINGTON	FW
S-306	HOLLOW CK AT S-32-54	LEXINGTON	FW
SC-001	CONGAREE RVR AT US 601 -SC-001	CALHOUN, RICHLAND	FW
SC-002	WATEREE RIVER 1.6 MI US CONFLUENCE WITH CONGAREE -NEAR SC-002	RICHLAND, SUMTER	FW
SC-013	JACKS CK AT S-14-76 -SC-013	CLARENDON	FW
SC-018	TAWCAW CK AT S-14-127 3.2 MI S OF SUMMERTON -SC-018	CLARENDON	FW
SC-020	POTATO CK AT S-14-127 3.2 MI S OF SUMMERTON -SC-020	CLARENDON	FW
SC-047	BIG BRANCH AT S-14-41 -SC-047	CLARENDON	FW
ST-018	TAWCAW CK AT S-14-127 3.2 MI S OF SUMMERTON -SC-018	CLARENDON	FW
ST-035	POTATO CK AT S-14-127 3.2 MI S OF SUMMERTON -SC-020	CLARENDON	FW

AMBIENT MONITORING SITES FOR LOWER SAVANNAH

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
LOWER SAVANNAH - 2019 STATISTICAL SURVEY SITE - ACTIVE			
E-007C	N FORK EDISTO RVR AT THE END OF LIVINGSTON LANDING ROAD - WADE OUT TO RIVER CHANNEL	ORANGEBURG	FW
E-011	S FORK EDISTO RVR AT SC 39	BARNWELL, ORANGEBURG	FW
E-059	FOUR HOLE SWP AT S-38-50 5.2 MI SE OF CAMERON	ORANGEBURG, CALHOUN	FW-SP
E-115	SANDY RUN AT CEMENT BRIDGE ROAD OFF GROOMS STREET	ORANGEBURG	FW
RL-19154	LAKE MURRAY BIG CREEK ARM ACROSS LAKE FROM SHINNER LN	NEWBERRY	FW
RS-19454	BULL SWAMP AT S-38-65 GRAMLING ROAD. SAMPLE AT E-590.	ORANGEBURG	FW-SP
RS-19465	UNNAMED TRIB TO LITTLE HORSE CREEK AT SUNNY BROOKE ROAD S-02-30 NEAR OVERHEAD RAIL BRIDGE	AIKEN	FW
RS-19489	SOUTH FORK EDISTO RIVER AT S-02-21 NEW HOLLAND ROAD	AIKEN	FW
SV-327	STEEL CK AT SRP ROAD A	BARNWELL	FW
SV-368	SAVANNAH RVR OFF COHENS BLUFF LANDING OFF S-03-41	ALLENDALE, SCREVEN	FW
LOWER SAVANNAH - BASE SITE - ACTIVE			
CL-041	CLARKS HILL RESERVOIR IN FOREBAY NEAR DAM	MCCORMICK, COLUMBIA, GA	FW
CL-069	LANGLEY POND IN FOREBAY NEAR DAM	AIKEN	FW
CSTL-048	SALKEHATCHIE RIVER AT U.S. 301 and 321	ALLENDALE, BAMBERG	FW
CSTL-115	LITTLE SALKEHATCHIE RIVER AT U.S. 601	BAMBERG	FW
CSTL-116	LEMON CREEK AT S-05-541	BAMBERG	FW-SP
E-008A	N FORK EDISTO RVR AT S-38-63	ORANGEBURG	FW
E-012	S FORK EDISTO RVR AT S-38-39 BRIDGE	ORANGEBURG, BAMBERG	FW
E-050	COW CASTLE CK AT S-38-170	ORANGEBURG	FW
E-102	N FORK EDISTO RVR AT S-02-110	AIKEN, LEXINGTON	FW
E-103	BLACK CK AT S-32-53 -RAMBO BRIDGE	LEXINGTON	FW
E-104	N FORK EDISTO RVR AT S-38-73	ORANGEBURG	FW
E-111	FOUR HOLE SWAMP AT SC 210	ORANGEBURG	FW-SP
E-114	S FORK EDISTO RIVER AT S-02-53	AIKEN	FW
S-093	NINETY SIX CK AT SC 702 5.2 MI ESE OF 96	GREENWOOD	FW
S-123	LITTLE SALUDA RVR AT S-41-39 5.2 MI NE SALUDA	SALUDA	FW
S-324	CLOUDS CK AT US 378	SALUDA	FW
SV-192	LITTLE RIVER AT S-33-19	MCCORMICK	FW

AMBIENT MONITORING SITES FOR LOWER SAVANNAH

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
LOWER SAVANNAH - BASE SITE - ACTIVE (CONT.)			
SV-250	HORSE CK AT SC 125 1.5 MI SW CLEARWATER	AIKEN	FW
SV-318	LONG CANE CK AT S-33-117 7.0 MI NW MCCORMICK	MCCORMICK	FW
SV-325	UPPER THREE RUNS AT SRP ROAD A	AIKEN	FW
SV-350	HOLLOW CREEK AT S-02-5	AIKEN	FW
SV-352	TURKEY CREEK AT S-33-227/S-19-68	EDGEFIELD, MCCORMICK	FW
SV-354	STEVENS CREEK AT S-33-88/S-19-143	EDGEFIELD, MCCORMICK	FW
SV-365	STEVENS CREEK AT S-33-138	MCCORMICK	FW
SV-366	SAVANNAH RVR OFF JACKSON LANDING OFF END OF S-02-299	AIKEN, RICHMOND	FW
SV-367	SAVANNAH RIVER OFF LITTLE HELL LANDING OFF S-03-368	ALLENDALE, BURKE	FW
SV-371	HORN CK AT S-19-143	EDGEFIELD	FW
SV-372	STEPHENS CREEK RESERVOIR/SAVANNAH RIVER AT SC 28; WALK IN FROM GA SIDE	MCCORMICK	FW
SV-373	Lower Three Runs Creek at S-03-66, Rocky Point Road	ALLENDALE	FW
LOWER SAVANNAH - TEMPORARY REQUESTED SITE - ACTIVE			
C-015	HALFWAY SWP CK AT SC 33 -SC-007	CALHOUN	FW
LOWER SAVANNAH - TEMPORARY - WATER OF CONCERN - ACTIVE			
E-042	BULL SWAMP CK AT S-38-189	ORANGEBURG	FW
E-105	CAW CAW SWAMP AT S-38-1032 -1148?	ORANGEBURG	FW-SP
RS-01021	MACK BRANCH AT SC 6; 5.5 M W OF ST MATHEWS	CALHOUN	FW
RS-04544	UNNAMED TRIBUTARY TO THE SAVANNAH RIVER AT RIVER BLUFF RD IN THE RAPIDS S/D IN NORTH AUGUSTA. SAMPLE AT THE END OF SERVICE RD FOR TELEPHONE LINES. SEND MORE DETAILED DIRECTIONS TO DISTRICT.	AIKEN	FW
RS-09114	LICK CK AT BRIDGE ON S-41-189	SALUDA	FW
RS-09286	VALL BRANCH AT BRIDGE ON SC 28	MCCORMICK	FW
RS-09322	HENLEY CREEK AT BRIDGE ON SC 248	GREENWOOD	FW
RS-10334	UNNAMED TRIB TO UNNAMED TRIB TO EDISTO RVR AT S-38-63	ORANGEBURG	FW
RS-10341	FOUR HOLE SWAMP AT S-09-90	CALHOUN	FW-SP
RS-10410	SALKEHATCHIE RVR AT SC-641	BAMBERG, ALLENDALE	FW
RS-11005	CUFFYTOWN CREEK AT SC 67; 10.2 MI ENE OF MCCORMICK	MCCORMICK	FW

AMBIENT MONITORING SITES FOR LOWER SAVANNAH

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
LOWER SAVANNAH - TEMPORARY - WATER OF CONCERN - ACTIVE (CONT.)			
RS-11054	CORONACA CREEK AT S-24-39; 5.1 MI NNE OF GREENWOOD	GREENWOOD	FW
SV-072	HORSE CK AT S-02-145	AIKEN	FW
LOWER SAVANNAH - INACTIVE SITE			
CL-039	LITTLE RIVER ARM OF CLARKS HILL RESERVOIR	MCCORMICK	FW
CL-040	CLARKS HILL RESERVOIR HEADWATERS -SAVANNAH RVR	MCCORMICK, ELBERT, GA, LINCOLN	FW
CL-064	LAKE EDGAR BROWN IN FOREBAY NEAR DAM	BARNWELL	FW
CL-067	VAUCLUSE POND IN FOREBAY NEAR DAM	AIKEN	FW
CSTL-001B	TURKEY CK 1 MI BL MILLIKEN BARNWELL OUTFALL AT CLINTON ST.	BARNWELL	FW
CSTL-003	SALKEHATCHIE RVR AT SC 278 2.5 MI S BARNWELL	BARNWELL	FW
CSTL-006	SALKEHATCHIE RVR AT 601 9 MI NE HAMPTON	COLLETON, HAMPTON	FW
CSTL-028	SALKEHATCHIE RVR AT SC 64 2 MI W OF BARNWELL	BARNWELL	FW
CSTL-110	COOSAWHATCHIE RVR AT S-03-47	ALLENDALE	FW
CSTL-117	LITTLE SALKEHATCHIE RIVER AT SC 64	COLLETON	FW
CSTL-118	WILLOW SWAMP AT S-15-27	COLLETON	FW
CSTL-119	BUCKHEAD CREEK AT SC 212	COLLETON	FW
E-001	FIRST BR AT BRDG ADJACENT TO WTR PLT AT JOHNSTON AT S-19-41	EDGEFIELD	FW
E-002	S FORK EDISTO RVR AT S-19-57 BL JOHNSTON SWR OUTFALL	EDGEFIELD	FW
E-007	N FORK EDISTO RVR AT US 601 AT ORANGEBURG	ORANGEBURG	FW
E-007A	N FORK EDISTO RVR AT POWER LINE CROSSING 2 MI BL E-007	ORANGEBURG	FW
E-007B	N FORK EDISTO RVR 4 MI BL E-007 AT A CABIN	ORANGEBURG	FW
E-008	N FORK EDISTO RVR AT S-38-39 WSW OF ROWESVILLE	ORANGEBURG	FW
E-013	EDISTO RVR AT US 78 W OF BRANCHVILLE	BAMBERG, ORANGEBURG	FW
E-013A	EDISTO RVR AT US 21	BAMBERG, ORANGEBURG	FW
E-021	S FORK EDISTO RVR AT SC 302	AIKEN	FW
E-022	GRAMLING CK AT CLVT ON SC 33 2 MI E OF ORANGEBURG	ORANGEBURG	FW-SP
E-030	DEAN SWAMP AT US 176	BERKELEY, ORANGEBURG	FW
E-036	GOODLAND CK AT SC 4 2.1 MI E OF SPRINGFIELD	ORANGEBURG	FW
E-039	ROBERTS SWAMP AT SC 332	ORANGEBURG	FW
E-051	PROVIDENCE SWP AT E FRONTAGE RD TO I-95 NW OF HOLLY HILL	ORANGEBURG	FW
E-052	HORSE RANGE SWAMP AT US 176	ORANGEBURG	FW

AMBIENT MONITORING SITES FOR LOWER SAVANNAH

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
LOWER SAVANNAH - INACTIVE SITE (CONT.)			
E-076	LITTLE BULL CK CK AT SC 33-BL UTICA TOOL CO	ORANGEBURG	FW
E-084	N FORK EDISTO RVR AT S-02-74	AIKEN, LEXINGTON	FW
E-090	S FORK EDISTO RVR AT US 1 12 MI NE AIKEN	AIKEN	FW
E-091	CHINQUAPIN CREEK AT SC 391 5.5 MI S BATESBURG	AIKEN, LEXINGTON	FW
E-092	N FORK EDISTO RVR AT SC 3 5.5 MI NW NORTH	ORANGEBURG	FW
E-094	SHAW CREEK AT S-02-26 4.2 MI NE AIKEN	AIKEN	FW
E-099	N FORK EDISTO RVR AT S-38-74 NW ORANGEBURG	ORANGEBURG	FW
E-106	SHAW CK AT S-02-576	AIKEN	FW
E-107	DEAN SWAMP CK AT SC 4	ORANGEBURG	FW
E-108	CATTLE CK AT S-18-19	DORCHESTER	FW
E-112	FOUR HOLE SWAMP AT SC 453	DORCHESTER, ORANGEBURG	FW-SP
E-113	S FORK EDISTO RVR AT S-02-152	AIKEN	FW
S-050	LITTLE SALUDA RVR AT US 378 E SALUDA	SALUDA	FW
S-092	CORONACA CK AT S-24-100 4 MI NW OF 96	GREENWOOD	FW
S-113	CLOUDS CK AT S-41-25	SALUDA	FW
S-186	SALUDA RVR AT SC 34 6.5 MI ESE OF 96	GREENWOOD, NEWBERRY	FW
S-233	WILSON CK AT S-24-101	GREENWOOD	FW
S-235	WILSON CK AT S-24-124	GREENWOOD	FW
S-255	CLOUDS CK AT S-41-26 4 MI NW BATESBURG	SALUDA	FW
S-295	SALUDA RIVER AT S.C. ROUTE 39	SALUDA, NEWBERRY	FW
SV-068	BEAVERDAM CK AT S-19-35 3.8 MI NW OF EDGEFIELD	EDGEFIELD	FW
SV-069	SAND RVR AT OLD US 1 1.2 MI SE WARRENVILLE	AIKEN	FW
SV-071	HORSE CK AT S-02-104 0.6 MI SW GRANITEVILLE	AIKEN	FW
SV-073	LITTLE HORSE CK AT SC 421 BL EFF OF CLEARWTR FIN	AIKEN	FW
SV-096	HORSE CK BELOW LANGLEY POND AT S-02-254	AIKEN	FW
SV-118	SAVANNAH RVR AT US 301 12.5 MI SW ALLENDALE	ALLENDALE	FW
SV-151	HARD LABOR CREEK AT S-24-164 BRIDGE	GREENWOOD	FW
SV-175	LOWER THREE RUNS CK AT SC 125 11 MI NW OF ALLENDALE	ALLENDALE	FW
SV-251	SAVANNAH RVR AT US 1 1.5 MI SW N. AUGUSTA	AIKEN	FW
SV-252	SAVANNAH RVR AT SC 28 1.6 MI NNW OF BEECH ISLAND	AIKEN	FW
SV-291	CLARKS HILL RESERVOIR AT US 378 7 MI SW MCCORMICK	MCCORMICK	FW
SV-294	STEVENS CK RESERVOIR HEADWATERS AT CLARKS HILL DAM BOAT RAMP	MCCORMICK	FW

AMBIENT MONITORING SITES FOR LOWER SAVANNAH

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
LOWER SAVANNAH - INACTIVE SITE (CONT.)			
SV-323	SAVANNAH RVR AT LOCK AND DAM	AIKEN	FW
SV-324	TIMS BR AT SRP ROAD C	AIKEN	FW
SV-326	FOURMILE BRANCH AT SRP ROAD A-7	BARNWELL	FW
SV-328	LOWER THREE RUNS CK AT S-06-20 7.5 MI SW BARNWELL	BARNWELL	FW
SV-329	HORSE CREEK AT ASCAUGA LAKE RD -S-02-33- IN GRANITEVILLE	AIKEN	FW
SV-330	STEVENS CREEK AT S-33-21	MCCORMICK	FW
SV-351	CUFFYTOWN CREEK AT S-33-138	MCCORMICK	FW
SV-353	BEAVERDAM CREEK AT FOREST SERVICE ROAD 621 OFF S-19-68	EDGEFIELD	FW
SV-686	FLAT ROCK POND IN FOREBAY NEAR DAM	AIKEN	FW
SV-722	GRANITEVILLE POND #2 IN FOREBAY NEAR DAM	AIKEN	FW

AMBIENT MONITORING SITES FOR LOW COUNTRY

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
LOW COUNTRY - 2019 STATISTICAL SURVEY SITE - ACTIVE			
CSTL-076	WHIPPY SWAMP AT S-25-13	HAMPTON	FW
RO-036043	S EDISTO RVR 1.7 MI NE FENWICK CUT	COLLETON, CHARLESTON	ORW, SFH
RO-19429	COOSAWHATCHIE RIVER DOWNSTREAM OF DAWSON ISLAND NEAR SHORELINE	JASPER	SFH
RO-19430	SKULL CREEK NEAR MOUTH NEAR CHECHESSEE RIVER	BEAUFORT	SFH
RO-19431	MORGAN RIVER BETWEEN BOASTSWAIN POND CREEK AND PARROT CREEK	BEAUFORT	SFH
RO-19432	SOUTH EDISTO RIVER APPROX 1.5 MILES WSW OF INTRACOASTAL WATERWAY MOUTH AS CROW FLIES		ORW
RO-19433	CHECHESSEE RIVER NEAR CONFLUENCE WITH BROAD RIVER	BEAUFORT	SFH
RO-19434	COWN CREEK CHANNEL MOUTH AT CONFLUENCE WITH BEAUFORT RIVER	BEAUFORT	SFH
RO-19435	SOUTH EDISTO RIVER DOWNSTREAM OF MOUTH OF ST PIERRE CREEK	CHARLESTON, COLLETON	ORW
RO-19437	BROAD RIVER APPROX 1.7 MILES NORT OF SC 170 BRIDGE	BEAUFORT	SFH
RO-19441	NEW RIVER AT MOUTH OF WALLS CUT	BEAUFORT, JASPER	SA
RT-19198	NEW RIVER APPROX 1.2 MILES N OF COLEMAN ISLAND AS CROW FILES	JASPER, BEAUFORT	SA
RT-19203	UNNAMED CREEK IN CHISOLM ISLANDS	BEAUFORT	SFH
RT-19206	SKULL CREEK ON PRITCHARDS ISLAND	BEAUFORT	SFH
RT-19207	COOSAWHATCHIE RIVER APPROX 0.4 MILES EAST OF DAWSON CREEK LANDING AS THE CROW FLIES	JASPER	SFH
RT-19208	SHINGLE CREEK ON SCANAWAH ISLAND UPSTREAM OF THE CONFLUENCE WITH MILTON CREEK	CHARLESTON	ORW
RT-19214	NEW RIVER APPROX 1.4 MILES SE OF COOK LANDING AS CROW FLIES	BEAUFORT	SA
RT-19215	UNNAMED TRIBUTARY TO NEW CHEHAW RIVER EAST OF BIG ISLAND	COLLETON	SFH
RT-19219	CHEHAW RIVER APPROX 0.5 MILES NE OF OLD CHEHAW BOAT LANDING	COLLETON	SFH
RT-19222	OLD HOUSE CREEK NEAR SHELLFISH SITE 16B-06F ON FRIPP ISLAND	BEAUFORT	SFH
LOW COUNTRY - BASE SITE - ACTIVE			
CSTL-071	HORSESHOE CREEK AT SC 64	COLLETON	FW
CSTL-104	SALKEHATCHIE RIVER AT SC 63	COLLETON, HAMPTON	FW
CSTL-107	COOSAWHATCHIE RVR AT US 17 AT COOSAWHATCHIE	JASPER	FW, SFH
CSTL-120	LITTLE SALKEHATCHIE RIVER AT SC 63 -SNIDERS HWY	COLLETON	FW
CSTL-121	COOSAWHATCHIE RIVER AT SC 363	HAMPTON	FW
CSTL-122	CYPRESS CREEK AT S-27-108	JASPER	FW

AMBIENT MONITORING SITES FOR LOW COUNTRY

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
LOW COUNTRY - BASE SITE - ACTIVE (CONT.)			
CSTL-125	ASHEPOO RVR AT S-15-88, SEE SEE ROAD, SECOND BRIDGE FROM US 17A MAIN CHANNEL	COLLETON	FW
MD-001	BEAUFORT RVR AB BEAUFORT AT CHANNEL MARKER 231	BEAUFORT	SA
MD-004	BEAUFORT RVR AT JCT WITH BATTERY CK NR MARKER 42	BEAUFORT	SFH
MD-116	BROAD RVR AT SC 170 7.5 MI SW OF BEAUFORT	BEAUFORT	SFH
MD-117	CHECHESSEE RVR AT SC 170 10.5 MI SW OF BEAUFORT	BEAUFORT	SFH
MD-118	NEW RVR AT SC 170 9 MI W OF BLUFFTON	JASPER, BEAUFORT	SA
MD-119	EDISTO RVR AT US 17 12.5 MI NW RAVENEL	CHARLESTON, COLLETON	ORW, FW
MD-120	DAWHO RVR AT SC 174 9 MI N OF EDISTO BCH SP	CHARLESTON	ORW, SFH
MD-129	GREAT SWAMP AT U.S. 17	JASPER	SA
MD-173	MAY RVR 1.8 MI SE OF BLUFFTON OUT FROM END OF S-07-461	BEAUFORT	ORW, SFH
MD-174	BROAD CK OPPOSITE END OF S-07-80	BEAUFORT	SFH
MD-176	COLLETON RVR AT COLLETON NECK-AT JCT WITH CHECHESSEE RV	BEAUFORT	ORW, SFH
MD-252	COMBAHEE RVR OFF FIELDS POINT LANDING OFF END OF S-15-161	COLLETON, BEAUFORT	SFH
MD-253	ASHEPOO RIVER AT PUBLIC OYSTER GROUND -14-19	COLLETON	SFH
MD-256	UNNAMED CREEK BETWEEN HARBOR RIVER AND STORY RIVER -16-21	BEAUFORT	SFH
MD-257	RAMSHORN CREEK AT COOPER RIVER -19-03	BEAUFORT	ORW, SFH
MD-258	RAMSHORN CREEK AT NEW RIVER -19-07	JASPER, BEAUFORT	SFH, SA
MD-259	WRIGHT RIVER 1.5 MILES US FROM FIELDS CUT -19-20	JASPER	SA
MD-260	S EDISTO RVR AT NORTHERN CONFLUENCE WITH ALLIGATOR CREEK -13-20	CHARLESTON, COLLETON	ORW, SFH
MD-281	PARROT CREEK AND COOSAW RIVER MARKER #1 SHELLFISH 14-10	BEAUFORT	SFH
MD-282	MORGAN RIVER AT CONFLUENCE WITH WARSAW FLATSSHELLFISH 16A-35	BEAUFORT	SFH
SV-370	SAVANNAH RVR 0.2 MI UPSTREAM EBENEZER CK	JASPER, EFFINGHAM	FW
LOW COUNTRY - TEMPORARY - WATER OF CONCERN - ACTIVE			
RS-10356	UNNAMED TRIB TO BLACK CK AT S-15-193	COLLETON	FW
LOW COUNTRY - INACTIVE SITE			
CL-062	LAKE WARREN IN FOREBAY NEAR DAM	HAMPTON	FW
CSTL-010	SANDERS BR AT SC 278	HAMPTON	FW-SF

AMBIENT MONITORING SITES FOR LOW COUNTRY

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
LOW COUNTRY - INACTIVE SITE (CONT.)			
CSTL-011	SANDERS BR AT S-25-50	HAMPTON	FW-SP
CSTL-044	IRELAND CK AT S-15-116 5 1/2 MI N OF WALTERBORO	COLLETON	FW
CSTL-068	ASHEPOO RVR AT SC 303 10 MI SSW OF WALTERBORO	COLLETON	FW, SFH
CSTL-069	ASHEPOO RVR AT US 17 3.4 MI ESE OF GREEN POND	COLLETON	SFH
CSTL-098	COMBAHEE RVR AT US 17 10 MI ESE YEMASSEE	BEAUFORT, COLLETON	FW, SFH
CSTL-108	SANDERS BRANCH AT SC RD 363	HAMPTON	FW-SP
CSTL-109	COOSAWHATCHIE RVR AT S-25-27 2.5 MI SW CUMMINGS	HAMPTON	FW
CSTL-111	COMBAHEE RVR BL YEMASSEE SEWAGE OUTFALL	COLLETON, BEAUFORT	FW
MD-002	BEAUFORT RVR AT DRAWBRDG ON US 21	BEAUFORT	SA
MD-003	BEAUFORT RVR BL BEAUFORT AT CHANNEL MARKER 244	BEAUFORT	SA
MD-005	BEAUFORT RVR BL OUTFALL OF PARRIS ISL MB AT BUOY 29	BEAUFORT	SFH
MD-006	PORT ROYAL BTWN BUOY 25 and 24 W OF BAY PT ISLAND	BEAUFORT	SFH
MD-007	POCOTALIGO RVR AT US 17 AT POCOTALIGO	BEAUFORT, JASPER	SFH
MD-012	MOUTH OF BROAD RVR OPPOSITE BALLAST CK	BEAUFORT	SFH
MD-013	MOUTH OF SKULL CK BTWN CHANNEL MARKERS 3 and 4 NEAR REDBO	BEAUFORT	SFH
MD-016	MOUTH OF MAY RVR 1.0 MI W OF CHANNEL MARKER 29	BEAUFORT	ORW, SFH
MD-128	BEES CK AT SC 462 5.9 MI NE OF RIDGELAND	JASPER	SB
MD-168	COOSAW RVR AT CONFL OF COMBAHEE RVR; NEAR BUOY 186	BEAUFORT	SFH
MD-172	BROAD RVR AT MOUTH OF ARCHER CK ON SW SIDE OF USMC	BEAUFORT	SFH
MD-175	CALIBOGUE SD AT MOUTH OF COOPER RVR NR RED BUOY 32	BEAUFORT	SFH
MD-194	WHALE BR AT JCT WITH CAMPBELL'S CK-3/4 MI W OF MD-010	BEAUFORT	SFH
MD-244	S EDISTO RVR BELOW ST PIERRE CK	CHARLESTON, COLLETON	SFH
MD-245	COLLETON RVR NEAR MOUTH -SHELLFISH STATION 18-5	BEAUFORT	ORW, SFH
MD-251	ASHEPOO RIVER AT S-15-26	COLLETON	SFH
MD-254	HUSPAH CREEK AT RAILROAD TRESTLE -14-14	BEAUFORT	SFH
MD-255	JENKINS CREEK AT UNNAMED TRIB NORTH SIDE OF WARSAW ISLAND -16-25	BEAUFORT	SFH
MD-279	WHALE BRANCH AT CONFLUENCE WITH BROAD RIVER	BEAUFORT	SFH
MD-280	BEES CK AT WALL FAMILY CAMP FLOATING DOCK APPROX 1 MI E SC 462 AS CROW FLIES	JASPER	SB
SV-191	SAVANNAH RVR AT US 17 8.9 MI SSW OF HARDEEVILLE -BOAT	JASPER	SB-SP
SV-355	SAVANNAH RIVER AT STOKES BLUFF LANDING OFF S-25-461	HAMPTON, EFFINGHAM	FW
SV-356	CYPRESS CREEK AT S-27-119	JASPER	FW
SV-369	SAVANNAH RVR OFF BandC LANDING OFF S-27-201	JASPER, EFFINGHAM	FW

AMBIENT MONITORING SITES FOR PEE DEE

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
PEE DEE - 2019 STATISTICAL SURVEY SITE - ACTIVE			
PD-028	PEE DEE RVR AT SC 34 11 MI NE DARLINGTON	DARLINGTON, MARLBORO	FW
PD-072	SPARROW SWP AT S-16-697 2.5 MI E OF LAMAR	DARLINGTON	FW-SP
RO-19427	WINYAH BAY APPROX 1.0 MI SSW OF SHELLFISH SITE 05-24	GEORGETOWN	SB
RO-19439	WINYAH BAY APPROX 0.9 MILES SSE OF BASE SITE MD-278	GEORGETOWN	SB
RS-19475	LITTLE PEE DEE RIVER AT PITTS LANDING OFF US 378 - SAMPLE DOWN RAMP OR FROM SHORE	HORRY, MARION	ORW
RT-19193	BLY CREEK	GEORGETOWN	ORW
RT-19209	MINIM CREEK ON MINIM ISLAND	GEORGETOWN	SA
PEE DEE - BASE SITE - ACTIVE			
MD-077	SAMPIT RVR AT US 17	GEORGETOWN	SB
MD-085	INTRACOASTAL WTRWAY AT PT 3 MI N OF BRDG ON US 501	HORRY	FW
MD-107	KINGSTON LK NR PUMP STA ON LAKESIDE DR CONWAY	HORRY	FW
MD-125	INTRACOASTAL WTRWY -LITTLE RVR- ON SC 9 -US 17	HORRY	FW, SA
MD-127	INTRACOASTAL WTRWAY AT SC 544 7.5 MI SW OF MYRTLE BEACH	HORRY	FW
MD-138	WACCAMAW RVR AT CHANNEL MARKER 57	GEORGETOWN	FW-SP
MD-142	WACAMMAW RVR DS OF BUTLER ISLAND AT MARKER 86	GEORGETOWN	SA-SP
MD-145	WACCAMAW RVR 1 MI DS OF BUCKSVILLE LANDING AT BIG BEND IN RVR	HORRY	FW-SP
MD-275	PEE DEE RVR AT WHITE HOUSE PLANTATION	GEORGETOWN	SB-SP
MD-277	PARSONNAGE CREEK AT INLET PORT BASIN -04-17	GEORGETOWN	SFH
MD-278	WINYAH BAY MAIN CHANNEL; BUOY 19A RANGE E -05-20	GEORGETOWN	SB
PD-012	PEE DEE RVR AT US 1 NE CHERAW	MARLBORO, CHESTERFIELD	FW
PD-015	GREAT PEE DEE RVR AT US 15 and 401	DARLINGTON, MARLBORO	FW
PD-038	LUMBER RVR AT US 76 AT NICHOLS	HORRY, MARION	FW
PD-043	POCOTALIGO RVR AT S-14-50 9.5 MI NE MANNING	CLARENDON	FW-SP
PD-052	LITTLE PEE DEE AT S-34-60	MARION	FW
PD-055	LITTLE PEE DEE RVR AT SC 9	DILLON	FW
PD-076	GREAT PEE DEE RVR AT US 378	FLORENCE, MARION	FW
PD-078	BLACK CREEK AT SC 327	FLORENCE	FW
PD-087	LAKE SWAMP AT SC 341 2.6 MI W OF JOHNSONVILLE	FLORENCE	FW-SP
PD-091	POCOTALIGO RVR AT US 15 3.5 MI S SUMTER	SUMTER	FW-SP

AMBIENT MONITORING SITES FOR PEE DEE

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
PEE DEE - BASE SITE - ACTIVE (CONT.)			
PD-093	LYNCHES RIVER AT S-21-55	FLORENCE	FW
PD-097	CATFISH CANAL AT S-34-34 6 MI SW OF MARION	MARION	FW-SP
PD-176	LAKE SWAMP AT S-26-99	HORRY	FW-SP
PD-201	ROCKY BLUFF SWAMP AT S-43-41	SUMTER	FW-SP
PD-203	PUDDING SWP AT SC 527 8.1 MI NW OF KINGSTREE	WILLIAMSBURG	FW-SP
PD-227	BLACK RVR AT S-45-35 8.6 MI NW OF KINGSTREE	WILLIAMSBURG	FW-SP
PD-231	JEFFRIES CK AT UN# RD 3.3 MI ESE OF CLAUSSEN	FLORENCE	FW-SP
PD-281	LYNCHES RVR AT S-21-49 5 MI NW JOHNSONVILLE	FLORENCE	FW
PD-325	BLACK RVR AT S-22-489 4 MI NE GEORGETOWN	GEORGETOWN	SA
PD-332	SPARROW SWAMP AT S-21-55 -MEADOW PRONG RD- NR JOHNSONS CROSSROADS	FLORENCE	FW-SP
PD-337	GREAT PEE DEE RVR AT US 301/76	FLORENCE, MARION	FW
PD-349	BUCK SWAMP AT S-17-42	DILLON, MARION	FW-SP
PD-350	LITTLE PEE DEE RIVER OFF END OF S-26-135 AT PUNCHBOWL LANDING	HORRY, MARION	ORW, FW
PD-352	CHINNERS SWAMP AT GUNTERS ISLAND RD OFF S-26-99	HORRY	FW-SP
PD-353	BLACK RIVER AT S-43-57	SUMTER	FW-SP
PD-359	BLACK RIVER AT S-45-30	WILLIAMSBURG	FW-SP
PD-361	BLACK MINGO CREEK AT COWHEAD LANDING OFF SC 51	GEORGETOWN	FW
PD-365	LITTLE PEE DEE RIVER AT S-17-363	DILLON	FW
PD-370	BRUNSON SWAMP AT S-26-99	HORRY	FW
PD-371	SHOE HEEL CK AT S-17-70	DILLON	FW
PD-372	LEITH CK IN NC AT SC/NC 83	ROBESON	FW
PD-373	WACCAMAW RVR AT OLD SITE RS-02481 AT S-26-31 IN 0304020609	HORRY	FW-SP
ST-005	N SANTEE RVR AT US 17	GEORGETOWN	FW, SA
PEE DEE - TEMPORARY - WATER OF CONCERN - ACTIVE			
CW-243	BIG BRANCH AT S-14-41 -SC-047	CLARENDON	FW
MD-124	WACCAMAW RVR AT SC 9 7.0 MI W OF CHERRY GROVE	HORRY	FW-SP
PD-024A	BLACK CK AT US 401 and 52 6 MI NW DARLINGTON	DARLINGTON	FW-SP, FW
PD-027	BLACK CK AT S-16-35 5.5 MI SE DARLINGTON	DARLINGTON	FW
PD-029E	LITTLE PEE DEE RVR AT S-17-23	DILLON	FW
PD-037	WHITE OAK CK AT S-34-31	MARION	FW-SP

AMBIENT MONITORING SITES FOR PEE DEE

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
PEE DEE - TEMPORARY - WATER OF CONCERN - ACTIVE (CONT.)			
PD-060	PEE DEE RVR AT PETERS FIELD LANDING OFF S-22-36 US IP PUMP STATION	GEORGETOWN, MARION	FW
PD-169	BIG SWP AT US 378 and SC 51 0.9 MI W OF SALEM	FLORENCE	FW-SP
PD-170	BLACK RVR AT SC 51 11.6 MI NE OF ANDREWS	GEORGETOWN	FW-SP
PD-345	LAKE SWAMP AT S-21-38	FLORENCE	FW-SP
PD-355	SCAPE ORE SWAMP AT S-31-108	LEE	FW
PD-363	SIMPSON CREEK AT SC 905	HORRY	FW
RS-04377	PEE DEE RIVER AT PORTS HILL LANDING AT THE END OF CO RD S-22-753 9.5 MI SE OF HEMINGWAY SAMPLE SHOULD BE COLLECTED AS FAR OUT IN THE RIVER AS POSSIBLE	GEORGETOWN, MARION	FW
RS-06157	PEE DEE RIVER AT PORTS HILL LANDING AT THE END OF PORTS HILL RD S-22-753 9.5 MI SE OF HEMINGWAY SAMPLE SHOULD BE COLLECTED AS FAR OUT IN THE RIVER AS POSSIBLE	GEORGETOWN	FW
RS-10349	LANES CK AT SC 51 JUST NORTH OF OATLAND	GEORGETOWN	FW
RS-10365	PEE DEE RVR AT DE WITT BLUFF LANDING	FLORENCE	FW
RS-10381	KINGSTREE SWAMP AT S-21-514	FLORENCE	FW
RS-10389	BROWN SWAMP AT US 701	HORRY	FW
RS-10397	LONG BRANCH AT CULVERT AT MOULDS RD. THIS CULVERT IS AT THE END OF PAVEMENT COMING FROM BEULAH RD	WILLIAMSBURG, FLORENCE	FW
RS-11039	UNNAMED TRIB TO THE PEE DEE RIVER AT US 701; 0.6 MI NE OF YAUHANNAH	GEORGETOWN	FW
PEE DEE - INACTIVE SITE			
CL-077	LAKE ASHWOOD; FOREBAY MOVED TO CATWALK NEAR DAM	LEE	FW
MD-073	SAMPIT RVR OPP AMER CYANAMID CHEM CO	GEORGETOWN	SB
MD-074	SAMPIT RVR AT CHANNEL MARKER #30	GEORGETOWN	SB
MD-075	SAMPIT RVR BTWN MOUTHS OF PORTS CK and PENNY ROYAL CK	GEORGETOWN	SB
MD-076N	TURKEY CK S-22-42 SW OF GEORGETOWN	GEORGETOWN	FW
MD-080	WINYAH BAY AT JCT OF PEE DEE and WACCAMAW AT MARKER 92	GEORGETOWN	SB
MD-087	INTRACOASTAL WTRWAY JUST N OF BRDG ON US 501	HORRY	FW
MD-088	INTRACOASTAL WTRWAY 1 MI S OF BRDG ON US 501	HORRY	FW
MD-089	INTRACOASTAL WTRWY 2 MI S OF BRDG ON US 501	HORRY	FW
MD-091	INTRACOASTAL WTRWY 4 MI N OF BRDG ON US 501	HORRY	FW
MD-110	WACCAMAW RVR AT US 501 BY PASS AROUND CONWAY	HORRY	FW-SP

AMBIENT MONITORING SITES FOR PEE DEE

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
PEE DEE - INACTIVE SITE (CONT.)			
MD-111	WACCAMAW RVR AT COX'S FERRY ON CO RD 110	HORRY	FW-SP
MD-136	WACCAMAW RVR 1/4 MI UPSTRM OF JCT WITH INTRACOASTAL WTRWY	HORRY	FW-SP
MD-137	WACCAMAW RVR NR MOUTH OF BULL CK AT CHANNEL MARKER 50	HORRY	FW-SP
MD-146	WACCAMAW RVR and ICWW 1 MI BL JCT-AT BUCKSPORT LANDING	HORRY	FW-SP
MD-149	WHITES CK 100 YDS UPSTRM OF JCT WITH SAMPIT RVR	GEORGETOWN	SB
MD-158	CRAB TREE SWAMP AT LONG ST BL OUTFALL OF CONWAY #1 POND	HORRY	FW
MD-162	LITTLE RVR AT S END OF ISL DUE E OF TOWN -IN RVR	HORRY	SA
MD-263	SANTEE BAY AT BEACH CREEK -06A-03	GEORGETOWN	ORW, SFH
MD-276	HOUSE CK AT 53RD AVE OUT FROM BOAT LANDING -01-19	HORRY	SFH
NO-01099	SAMPIT RIVER OXBOW NEAR GEORGETOWN STEEL -MD-073	GEORGETOWN	SB
PD-014	CROOKED CR AT S-35-43	MARLBORO	FW
PD-016	PANTHER CK AT S-35-27	MARLBORO	FW
PD-017A	MCLAURINS MILL POND SC 381	MARLBORO	FW
PD-021	BLACK CK AT S-16-18 1 MI NNE HARTSVILLE	DARLINGTON	FW-SP
PD-023	BLACK CK AT S-16-13 5.5 MI NE HARTSVILLE	DARLINGTON	FW-SP
PD-025	BLACK CK AT S-16-133 2.25 MI NE OF DARLINGTON	DARLINGTON	FW
PD-030	MAPLE SWP AT SC 57	DILLON	FW-SP
PD-030A	LITTLE PEE DEE RVR BELOW JCT WITH MAPLE SWP	DILLON	FW
PD-031	BUCK SWP AT S-17-33	DILLON	FW-SP
PD-035	JEFFERIES CK AT SC 327 AT CLAUSSEN	FLORENCE	FW-SP
PD-039	GREEN SWP AT S-43-33	SUMTER	FW-SP
PD-040	TURKEY CREEK AT US 521	SUMTER	FW-SP
PD-041	LYNCHEs RVR AT US 52 NEAR EFFINGHAM	FLORENCE	FW
PD-042	LITTLE PEE DEE RVR AT US 501; GALIVANT'S FERRY	HORRY, MARION	ORW, FW
PD-044	BLACK RVR AT US 52 AT KINGSTREE	WILLIAMSBURG	FW-SP
PD-045	BLACK RVR AT SC 377 AT BRYAN'S CROSS ROADS	WILLIAMSBURG	FW-SP
PD-061	PEE DEE RVR AT US 701 2.75 MI NE YAUHANNAH	GEORGETOWN, HORRY	FW
PD-062	GUM SWAMP AT S-35-27	MARLBORO	FW
PD-065	GULLEY BR AT S-21-13; TIMROD PARK	FLORENCE	FW
PD-069	LITTLE PEE DEE RVR AT SC 57 11.5 MI NW DILLON	DILLON	FW
PD-071	LYNCHEs RVR AT US 15/SC 34	LEE	FW
PD-081	PRESTWOOD LK AT US 15	DARLINGTON	FW-SP

AMBIENT MONITORING SITES FOR PEE DEE

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
PEE DEE - INACTIVE SITE (CONT.)			
PD-085	LAKE SWAMP AT US 378	FLORENCE	FW-SP
PD-086A	LAKE SWAMP ON SC 341	FLORENCE	FW-SP
PD-098	TURKEY CK AT LIBERTY ST IN SUMTER ABOVE SANTEE PRINT WORKS	SUMTER	FW-SP
PD-103	HIGH HILL CK AT US 52 ON CO LINE	DARLINGTON, FLORENCE	FW
PD-106	LYNCHES RVR ON I-20 4 OR 5 MI BELOW BISHOPVILLE SEPTIC	LEE	FW
PD-107	CROOKED CK AT SC 9 IN BENNETTSVILLE	MARLBORO	FW
PD-112	COUSAR BR 1/4 MI BELOW BISHOPVILLE FINISHING CO	LEE	FW
PD-115	POCOTALIGO RVR AT 3RD BRDG N OF MANNING ON US 301	CLARENDON	FW-SP
PD-116	BLACK RVR AT S-14-40 E OF MANNING	CLARENDON	FW-SP
PD-137	SNAKE BR AT WOODMILL ST-HARTSVILLE	DARLINGTON	FW
PD-141	60" TILE DISCHARGING TO DITCH ACROSS RD AT DARLINGTON STP	DARLINGTON	FW
PD-159	BLACK CK AT S-16-23 4.7 MI NW OF HARTSVILLE	DARLINGTON	FW-SP
PD-167	WILLOW CREEK AT S-21-57	FLORENCE	FW
PD-168	BIG SWP AT S-21-360 1.1 MI W OF PAMPLICO	FLORENCE	FW-SP
PD-172	BLACK MINGO CK AT SC 41 14 MI NE OF ANDREWS	GEORGETOWN, WILLIAMSBURG	FW
PD-177	CHINNERS SWAMP AT S-26-24 1.9 MI SSE AYNOR	HORRY	FW-SP
PD-186	BLACK RVR AT US 76 1.5 MI NE OF MAYESVILLE	LEE	FW-SP
PD-187	SMITH SWP AT US 501 1.9 MI SSE OF MARION	MARION	FW-SP
PD-189	LITTLE PEE DEE RVR AT US 378 12 MI W CONWAY	HORRY, MARION	ORW, FW
PD-202	POCOTALIGO RVR AT S-43-32 9 MI SSE OF SUMTER	SUMTER	FW-SP
PD-229	NEWMAN SWP AT S-16-449 0.9 MI NE OF LAMAR	DARLINGTON	FW-SP
PD-230	MIDDLE SWP AT SC 51 3.5 MI SSE OF FLORENCE	FLORENCE	FW-SP
PD-239	NASTY BR AT S-43-251 7.5 MI SW OF SUMTER	SUMTER	FW
PD-255	JEFFRIES CK AT SC 340 6.8 MI SSW OF DARLINGTON	DARLINGTON	FW-SP
PD-256	JEFFRIES CK AT S-21-112 4.8 MI W OF FLORENCE	FLORENCE	FW-SP
PD-258	SNAKE BR AT RR AVE IN HARTSVILLE	DARLINGTON	FW
PD-268	SONOVISTA CLUB HARTSVILLE OFF DOCK OF PRESTWOOD LK	DARLINGTON	FW-SP
PD-306	PANTHER CK AT US 15 OUTSIDE MCCOLL	MARLBORO	FW
PD-314	SINGLETON SWAMP AT S-21-67	FLORENCE, WILLIAMSBURG	FW
PD-319	LYNCHES RIVER AT SC 403	FLORENCE	FW
PD-320	SMITH SWP AT S-34-19 1 MI E OF MARION	MARION	FW-SP
PD-330	BLACK CK AT HWY 15 BYPASS	DARLINGTON	FW-SP

AMBIENT MONITORING SITES FOR PEE DEE

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
PEE DEE - INACTIVE SITE (CONT.)			
PD-336	HAGINS PRONG AT SC ROUTE 381	MARLBORO	FW
PD-341	THREE CREEKS AT SC 381 AT BLENHEIM	MARLBORO	FW
PD-346	CAMP BRANCH AT S-21-278	FLORENCE	FW
PD-347	ASHPOLE SWAMP AT PRIVATE ROAD -SEE LAKE VIEW QUAD	DILLON	FW-SP
PD-348	LITTLE PEE DEE RIVER AT S-17-72	DILLON	FW
PD-351	CEDAR CREEK AT S-26-23	HORRY	ORW, FW
PD-354	UNNAMED DRAINAGE CANAL TO ATKINS CANAL AT SC 527 -3/4 MI N OF US 76	LEE	FW
PD-356	MECHANICSVILLE SWAMP AT S-31-500	LEE	FW
PD-357	ROCKY BLUFF SWAMP AT US 76	SUMTER	FW-SP
PD-358	KINGSTREE SWAMP CANAL AT SC 527	WILLIAMSBURG	FW
PD-360	BLACK MINGO CREEK AT S-45-121	WILLIAMSBURG	FW
PD-362	BUCK CREEK AT SC 905	HORRY	FW
PD-364	LYNCHES RIVER AT US 401	DARLINGTON, LEE	FW
PD-367	THREE CREEKS AT SC 38; S OF BLENHEIM	MARLBORO	FW
PD-368	BEAR SWAMP AT S-17-56	DILLON	FW-SP
PD-369	WACCAMAW RVR AT S-26-105 REEVES FERRY ROAD	HORRY	FW-SP
ST-024	LK MARION AT END OF S-14-64 AT CAMP BOB COOPER	CLARENDON	FW

AMBIENT MONITORING SITES FOR SANTEE COOPER

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
SANTEE COOPER - 2019 STATISTICAL SURVEY SITE - ACTIVE			
RL-19156	LAKE MOULTRIE - 0.80 MI NNW OF AUGUSTUS M FLOOD BOAT LANDING - 0.38 MI WEST OF INTERSECTION OF INDIAN FIELDS DR AND PORCHER DR	BERKELEY	FW
RL-19176	LAKE MARION - 1.25 MI WSW OF BRIDGE OF SC-260 OVER CHURCH BRANCH	CLARENDON	FW
ST-037	LAKE MOULTRIE AT CHANNEL MARKER 17 -SC-030	BERKELEY	FW
SANTEE COOPER - BASE SITE - ACTIVE			
CL-042	LAKE MARION FOREBAY; SPILLWAY MARKER 44 -SC-022	ORANGEBURG, CLARENDON	FW
CSTL-062	TAIL RACE CANAL AT US 52 and 17A BELOW LAKE MOULTRIE -SC-033	BERKELEY	FW
ST-034	LAKE MARION AT RR TRESTLE AT LONE STAR -SC-008	CALHOUN, SUMTER	FW
ST-036	LK MARION; WYBOO CREEK ARM DS OF CLUBHOUSE BR -SC-023A	CLARENDON	FW
SANTEE COOPER - INACTIVE SITE			
CSTL-079	DIVERSION CANAL AT SC 45 12.6 MI W OF ST STEPHENS -SC-025	BERKELEY	FW
SC-005	UPPER LAKE MARION NEAR PACK'S LANDING	SUMTER	FW
SC-006	WARLEY CREEK AT HWY. 267 BRIDGE	CALHOUN	FW
SC-007	HALFWAY SWP CK AT SC 33 -SC-007	CALHOUN	FW
SC-008	LAKE MARION AT RR TRESTLE AT LONE STAR -SC-008	CALHOUN, SUMTER	FW
SC-009	SPRING CROVE CREEK at SECONDARY ROAD 26 BRIDGE	CLARENDON	FW
SC-010	UPPER LAKE MARION AT CHANNEL MARKER 150	CALHOUN	FW
SC-011	BIG POPLAR CREEK at SECONDARY ROAD 105 BRIDGE	CALHOUN	FW
SC-012	LK MARION at JACK'S CK EMBAYMENT; USE SANTEE COOPER SC-012	CLARENDON	FW
SC-014	UPPER LAKE MARION at HEADWATERS OF CHAPEL BRANCH CREEK	ORANGEBURG	FW
SC-015	LK MARION AT OLD US 301/15 BRDG AT SANTEE -SC-015	ORANGEBURG, CLARENDON	FW
SC-016	LK MARION at CHANNEL MARKER 69; USE SANTEE COOPER SC-016	CLARENDON	FW
SC-017	MID LAKE MARION at TAW CAW CREEK EMBAYMENT	CLARENDON	FW
SC-019	LOWER LAKE MARION at POTATO CREEK FLOODED EMBAYMENT	CLARENDON	FW
SC-021	LOWER LAKE MARION; 1.5 KM NE OF ROCK'S POND CAMPGROUND	BERKELEY	FW
SC-022	LAKE MARION FOREBAY; SPILLWAY MARKER 44 -SC-022	ORANGEBURG, CLARENDON	FW
SC-023	LOWER LAKE MARION at WYBOO CREEK FLOODED EMBAYMENT	CLARENDON	FW
SC-023A	LK MARION; WYBOO CREEK ARM DS OF CLUBHOUSE BR -SC-023A	CLARENDON	FW

AMBIENT MONITORING SITES FOR SANTEE COOPER

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
SANTEE COOPER - INACTIVE SITE (CONT.)			
SC-024	LOWER SANTEE RIVER AT WILSON'S LANDING BELOW SPILLWAY DAM	BERKELEY	FW
SC-025	DIVERSION CANAL AT SC 45 12.6 MI W OF ST STEPHENS -SC-025	BERKELEY	FW
SC-026	TRIBUTARY 0.6 KM UPSTR OF SC HWY. 6 NEAR CROSS HS	BERKELEY	FW
SC-027	SW QUADRANT OF LAKE MOULTRIE 1.2 KM EAST OF SHORELINE	BERKELEY	FW
SC-028	NW QUADRANT OF LAKE MOULTRIE NEAR ANGEL'S LANDING COVE	BERKELEY	FW
SC-030	LAKE MOULTRIE AT CHANNEL MARKER 17 -SC-030	BERKELEY	FW
SC-031	NORTH QUADRANT OF LAKE MOULTRIE at MOUTH OF REDIVERSION CANAL	BERKELEY	FW
SC-032	SE QUADRANT OF LAKE MOULTRIE at CHANNEL MARKER 2	BERKELEY	FW
SC-033	TAIL RACE CANAL AT US 52 and 17A BELOW LAKE MOULTRIE -SC-033	BERKELEY	FW
SC-034	DUCK POND CREEK at HWY. 6	BERKELEY	FW
SC-035	LAKE MARION 1.10 M SSE OF SANTEE NAT. WILDLIFE REFUGE AND 1MI S OF EAGLE POINT -SC-035	CLARENDON	FW
SC-036	MID LAKE MARION at THE MOUTH OF TAW CAW CREEK	CLARENDON	FW
SC-037	REDIVERSION CANAL at HWY. 45 BRIDGE	BERKELEY	FW
SC-038	UPPER LAKE MARION at THE MOUTH OF HALFWAY SWAMP CREEK	CALHOUN	FW
SC-039	UPPER LAKE MARION 2.0 KM BELOW RIMINI RAILROAD TRESTLE	CLARENDON	FW
SC-040	MID LAKE MARION at CHANNEL MARKER 79	ORANGEBURG	FW
SC-041	MID LAKE MARION 3.2 KM NORTH OF CHANNEL MARKER 79	CLARENDON	FW
SC-042	MID LAKE MARION at NORTH END OF I-95 / U.S. 301 BRIDGES	CLARENDON	FW
SC-043	TRIBUTARY FLOWING TO LAKE MOULTRIE FROM CROSS GENER. STATION	BERKELEY	FW
SC-044	LAKE MARION 0.5 MI NE OF CALHOUN LANDING -USE SC-044	CALHOUN	FW
SC-045	STREAM FLOWING THRU SANTEE NATIONAL GOLF COURSE POND at HWY 6	ORANGEBURG	FW
SC-046	SE QUADRANT OF LAKE MOULTRIE AT PINOPOLIS EMBAYMENT	BERKELEY	FW
SC-048	Assigned to Santee-Cooper Project	Clarendon	FW
SC-049	Assigned to Santee-Cooper Project	Clarendon	FW
SC-056	SURFACE DRAINAGE FROM SAFETY KLEEN HAZARDOUS LANDFILL	SUMTER	FW
SC-057	SURFACE DRAINAGE FROM SAFETY KLEEN HAZARDOUS LANDFILL	SUMTER	FW
SC-058	STREAM ORIGINATING UPSTRM OF SAFETY KLEEN HAZARDOUS LANDFILL	SUMTER	FW
SC-059	Assigned to Santee-Cooper Project	Clarendon	FW
ST-025	LK MARION AT OLD US 301/15 BRDG AT SANTEE -SC-015	ORANGEBURG, CLARENDON	FW

AMBIENT MONITORING SITES FOR TRIDENT

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
TRIDENT - 2019 STATISTICAL SURVEY SITE - ACTIVE			
RL-19259	GOOSE CREEK RESERVOIR - 0.25 MI WSW FROM CENTER OF GOOSE CREEK PRIMARY SCHOOL	BERKELEY	FW
RO-19428	STONO RIVER CHANNEL OFF BATTERY ISLAND BOAT LANDING NEAR SHELLFISH SITE 11-33	CHARLESTON	SFH
RO-19436	WANDO RIVER APPROX 1 MILE SOUTH OF I-526 BRIDGE AS THE CROW FLIES	CHARLESTON, BERKELEY	SFH
RO-19440	WADMALAW RIVER APPROX 0.7 MILES SOUTH OF THE MOUTH OF OYSTER HOUSE CREEK AS THE CROW FLIES	CHARLESTON	ORW
RS-19463	ASHLEY RIVER AT BOONEHILL ROAD ALTERNATE US 17	DORCHESTER	FW
RT-19197	SANTEE PASS	CHARLESTON	ORW
RT-19200	WAPPOO CREEK SOUTH OF ENDS OF LINING COURT AND FARMFIELD ROAD	CHARLESTON	SB
RT-19201	UNNAMED TRIBUTARY TO HARBOR RIVER IN CAPRE ROMAIN NATIONAL WILDLIFE REFUGE	CHARLESTON	ORW
RT-19204	UNNAMED TRIBUTARY TO ADAMS CREEK APPROX 1 MILE SW OF ROCKLAND	CHARLESTON	ORW
TRIDENT - BASE SITE - ACTIVE			
CSTL-102	ASHLEY RVR AT SC 165 4.8 MI SSW OF SUMMERVILLE	DORCHESTER	FW, SA
CSTL-113	WADBOO SWP AT SC 402	BERKELEY	FW
CSTL-123	EAST BR COOPER RVR AT BONNEAU FERRY PLANTATION	BERKELEY	FW
E-032	INDIAN FIELD SWAMP AT S-18-19	DORCHESTER	FW-SP
E-086	EDISTO RVR AT S-18-29	COLLETON, DORCHESTER	FW
E-109	POLK SWAMP AT S-18-19	DORCHESTER	FW-SP
E-116	FOUR HOLE SWAMP AT HORSEFORD ROAD S-18-56	DORCHESTER	FW-SP
MD-043	COOPER RVR AT CHANNEL MARKER 72 NEAR USN AMMO DEPOT	BERKELEY	SB
MD-045	COOPER RVR AB MOUTH OF SHIPYD CK AT CHANNEL BUOY 49	CHARLESTON, BERKELEY	SB
MD-049	ASHLEY RVR AT MAGNOLIA GARDENS	CHARLESTON	SA
MD-052	ASHLEY RVR AT SALRR BRDG	CHARLESTON	SA
MD-069	INTRACOASTAL WATERWAY AT SC 703 E MT PLEASANT	CHARLESTON	SB, SFH
MD-115	WANDO RVR AT SC 41	BERKELEY	SFH
MD-130	FOLLY RIVER AT SC 171	CHARLESTON	SFH
MD-202	STONO RVR AT S-10-20 2 MI UPSTRM OF CLEMSON EXP STA	CHARLESTON	SFH
MD-206	STONO RIVER AT ABBAPOOLA CREEK	CHARLESTON	SFH

AMBIENT MONITORING SITES FOR TRIDENT

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
TRIDENT - BASE SITE - ACTIVE (CONT.)			
MD-209	BOHICKET CK AT FICKLING CK	CHARLESTON	ORW, SFH
MD-248	COOPER RIVER AT MARK CLARK BRIDGE -I-526	CHARLESTON, BERKELEY	SB
MD-261	YONGES ISLAND CREEK; MARKER #90 -12-03	CHARLESTON	ORW, SFH
MD-262	N EDISTO RVR AT LEADENWAH CREEK -12-08	CHARLESTON	ORW, SFH
MD-264	WANDO RIVER AT I-526 MARK CLARK EXPRESSWAY -09B-15	CHARLESTON, BERKELEY	SFH
MD-266	CASINO CREEK AT CLOSURE LINE -06B-16	CHARLESTON	ORW, SFH
MD-267	FIVE FATHOM CREEK AT BULL RIVER -07-06A	CHARLESTON	SFH, SFH
MD-269	SEWEE BAY AT MOORES LANDING -08-09	CHARLESTON	SFH
MD-271	HAMLIN SOUND -08-02	CHARLESTON	SFH
MD-273	KIAWAH RIVER ON THE FLATS -11-21	CHARLESTON	SFH
ST-001	SANTEE RVR AT SC 41/US 17A NE OF JAMESTOWN	BERKELEY, WILLIAMSBURG	FW
ST-006	S SANTEE RVR AT US 17	CHARLESTON, GEORGETOWN	FW, SA
ST-016	SANTEE RVR AT US 52 6.5 MI NNW OF ST STEPHENS	BERKELEY, WILLIAMSBURG	FW
TRIDENT - TEMPORARY - WATER OF CONCERN - ACTIVE			
E-014	EDISTO RVR AT US 15 S OF ST GEORGE	COLLETON, DORCHESTER	FW
RS-10373	BIG BRANCH AT S-18-378	DORCHESTER	FW
TRIDENT - INACTIVE SITE			
CSTL-007	COMBAHEE SWP BL YEMASSEE SEWAGE OUTFALL	BEAUFORT	FW
CSTL-013	DORCHESTER CK AT SC 165	DORCHESTER	SA
CSTL-043	SAWMILL BR AT SC 78 E OF SUMMERVILLE	DORCHESTER	FW
CSTL-063	WASSAMASSAW SWP AT US 176	BERKELEY	FW
CSTL-078	CYPRESS SWP AT US 78	DORCHESTER	FW
CSTL-085	PIER IN WEST BRANCH COOPER RVR AT END OF RICE MILL RD IN PIMLICO	BERKELEY	FW
CSTL-099	EAGLE CK AT SC 642 5 MI SSE OF SUMMERVILLE	DORCHESTER	SB
CSTL-112	WAMBAW CK AT EXTENSION OF S-10-857 -BRIDGE NEAR BOAT LANDING-; RUTLEDGE ROAD; ON GRAVEL NATIONAL FOREST ROAD. APPROACH FROM CHARLESTON COUNTY; RUTLEDGE ROAD DIRECTION.	CHARLESTON, BERKELEY	FW
CSTL-114	TRIB TO IRON SWAMP AT US 17	CHARLESTON	SA

AMBIENT MONITORING SITES FOR TRIDENT

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
TRIDENT - INACTIVE SITE (CONT.)			
E-015	EDISTO RVR AT SC 61 AT GIVHANS FERRY ST PK	COLLETON, DORCHESTER	FW
E-015A	FOUR HOLE SWAMP AT S-18-19	DORCHESTER	FW-SP
E-016	POLK SWP AT UNIMP RD S-18-180 2 MI S OF ST GEORGE	DORCHESTER	FW-SP
E-100	4 HOLE SWP AT US 78 E OF DORCHESTER	DORCHESTER	FW-SP
MD-010	WHALE BR AT US 21	BEAUFORT	SFH
MD-020	MOUTH OF WAPPOO CK BTWN CHANNEL MARKERS 3 and 4	CHARLESTON	SB
MD-025	MOUTH OF ELLIOTT CUT AT EDGE WTR DR -S-10-26 OFF HW 17	CHARLESTON	SFH
MD-026	STONO RVR AT SC 700	CHARLESTON	SFH
MD-034	RT BK OF ASHLEY RVR BTWN MOUTH OF WAPPOO CK and DILLS CK	CHARLESTON	SA
MD-039	GOOSE CK AT S-08-136 BRIDGE	BERKELEY	SB
MD-044	COOPER RVR BL MOUTH OF GOOSE CK AT CHANNEL BUOY 60	CHARLESTON, BERKELEY	SB
MD-046	COOPER RVR UNDER GRACE MEMORIAL BRDG	CHARLESTON	SB
MD-047	TOWN CK -W SIDE OF DRUM ISL- UNDER GRACE MEMORIAL BRDG	CHARLESTON	SB
MD-048	S CHANNEL CHAS HBR OFF FT JOHNSON QUAR STA BELL BUOY 28	CHARLESTON	SB
MD-070	ABANDONED BRDG OVER THE COVE END OF PITT ST MT PLEASANT	CHARLESTON	SB
MD-071	SHEM CK AT COLEMAN BLVD -BUS US 701; 17; SC 703	CHARLESTON	SB
MD-113	GOOSE CK RES AT CHTN WTR INTAKE	BERKELEY	FW
MD-114	GOOSE CK AT US 52 N CHTN	CHARLESTON, BERKELEY	FW
MD-121	LOG BRIDGE CK AT SC 162	CHARLESTON	SFH
MD-135	ASHLEY RVR AT SC 7 -N BRDG	CHARLESTON	SA-SP
MD-152	COOPER RVR AT S-08-503 6.2 MI ESE OF GOOSE CK	BERKELEY	FW, SB
MD-165	CHAS HBR AT FT JOHNSON PIER AT MARINE SCI LAB	CHARLESTON	SB
MD-195	CHURCH CR AT SC 700 1 MI SW OF CEDAR SPRINGS	CHARLESTON	SFH
MD-198	WANDO RVR BTWN RATHALL and HOBCEW CKS	CHARLESTON, BERKELEY	SFH
MD-203	JEREMY CK NEAR BOAT LANDING AT MCCLELLANVILLE TOWN HALL	CHARLESTON	SFH
MD-207	KIAWAH RIVER MOUTH AT STONO RIVER	CHARLESTON	SFH
MD-208	STONO RIVER MOUTH AT BUOY 10 OFF SANDY PT	CHARLESTON	SFH
MD-210	BOHICKET CK MOUTH AT N EDISTO RVR	CHARLESTON	ORW, SFH
MD-211	N EDISTO RVR MOUTH BTWN KIAWAH ISLAND and BOTANY BAY ISL	CHARLESTON	ORW, SFH
MD-217	DURHAM CK AT S-08-9 BRIDGE	BERKELEY	FW
MD-240	FOSTER CREEK AT CHARLESTON CPW WATER INTAKE	BERKELEY	FW
MD-241	MECHAW CK AT SC ROUTE 45	CHARLESTON	FW

AMBIENT MONITORING SITES FOR TRIDENT

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
TRIDENT - INACTIVE SITE (CONT.)			
MD-242	ASHLEY RVR; BTWN LEEDS AVE BOAT RAMP AND MOUTH OF CHURCH CK	CHARLESTON	SA-SP
MD-243	SHIPYARD CK BETWEEN MARKER #6 AND MCALLOY DOCK	CHARLESTON	SB
MD-246	CHURCH CK MOUTH	CHARLESTON	SA-SP
MD-247	CHARLESTON HARBOR IN VICINITY OF MT PLEASANT WWTP DIFFUSER	CHARLESTON	SB
MD-249	FILBIN CREEK AT VIRGINIA AVE; NORTH CHARLESTON	CHARLESTON	SB
MD-250	AWENDAW CREEK AT US 17	CHARLESTON	SFH
MD-265	ALLIGATOR CREEK AT STATE SHELLFISH GROUND -06B-12	CHARLESTON	ORW, SFH
MD-268	AWENDAW CREEK AT MARKER #57 -07-03	CHARLESTON	SFH
MD-270	BULLYARD SOUND - MARKER #104 -08-04	CHARLESTON	ORW, SFH
MD-272	LOWER HAMLIN CREEK AT SITE OF NEW BRIDGE -09A-29	CHARLESTON	SFH
MD-274	FOLLY CREEK AT SECESSIONVILLE POLLUTION LINE -10A-15A	CHARLESTON	SFH
NO-01098	ASHLEY RIVER 0.4 MI ESE OF DUCK ISLAND	CHARLESTON	SA
NO-02302	WANDO RVR 0.1 MI NW OF SC 41 BRIDGE	CHARLESTON, BERKELEY	SFH
NT-01598	SHEM CREEK 0.8 MI NORTH OF US 703 BRIDGE -COLEMAN BLVD-.	CHARLESTON	SB
NT-01599	BRICKYARD CREEK 2.0 MI NORTH OF CONFL W/ ASHLEY RIVER	CHARLESTON	SA-SP
NT-02301	SHEM CK 0.15 MI S US 703 -COLEMAN BLVD-.	CHARLESTON	SB
SC-037A	REDIVERSION CANAL AT US 52 -SC-037A	BERKELEY	FW
ST-007	WALKER SW AT US 52 2.5 MI S ST STEPHENS	BERKELEY	FW
ST-031	REDIVERSION CANAL AT US 52 -SC-037A	BERKELEY	FW
ST-032	GOOSE CREEK RESERVOIR 100 M US OF DAM	BERKELEY	FW
ST-033	GOOSE CK RESERVOIR AT 2ND POWERLINES US OF BOAT RAMP	BERKELEY	FW

AMBIENT MONITORING SITES FOR AQUATIC SCIENCE PROGRAMS

STATION	DESCRIPTION	COUNTY LOCATION(S)	STREAM CLASS(ES)
AQUATIC SCIENCE PROGRAMS - TEMPORARY - WATER OF CONCERN - ACTIVE			
CSTL-075	LAKE GEORGE WARREN; BLACK CK ARM AT PUBLIC FISHING PIER 5 MI SW OF HAMPTON	HAMPTON	FW
CSTL-124	BUSHY PARK RESERVOIR AT BUSHY PARK FRESH WATER BOAT RAMP DOCK	BERKELEY	FW
PD-374	LAKE PAUL WALLACE AT THE SKI IMPOUNDMENT BOAT LANDING DOCK	MARLBORO	FW

B. Ambient Surface Water Quality Monitoring Sites Listed by Waterbody

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
ABENERS CREEK	MACRO CREW	B-792	SEE APPENDIX F
ADAMS MILL POND	CENT MIDLANDS	CL-078	INACTIVE SITE
ALEXANDER CREEK	APPALACHIA II	RS-10348	WATER OF CONCERN - ACTIVE
ALLIGATOR CREEK	TRIDENT	MD-265	INACTIVE SITE
ALLISON CREEK	CATAWBA	CW-171	INACTIVE SITE
ALLISON CREEK	CATAWBA	CW-249	BASE SITE - ACTIVE
ASHEPOO RIVER	LOW COUNTRY	CSTL-068	INACTIVE SITE
ASHEPOO RIVER	LOW COUNTRY	CSTL-069	INACTIVE SITE
ASHEPOO RIVER	LOW COUNTRY	CSTL-125	BASE SITE - ACTIVE
ASHEPOO RIVER	LOW COUNTRY	MD-251	INACTIVE SITE
ASHEPOO RIVER	LOW COUNTRY	MD-253	BASE SITE - ACTIVE
ASHLEY RIVER	TRIDENT	CSTL-102	BASE SITE - ACTIVE
ASHLEY RIVER	TRIDENT	MD-034	INACTIVE SITE
ASHLEY RIVER	TRIDENT	MD-049	BASE SITE - ACTIVE
ASHLEY RIVER	TRIDENT	MD-052	BASE SITE - ACTIVE
ASHLEY RIVER	TRIDENT	MD-135	INACTIVE SITE
ASHLEY RIVER	TRIDENT	MD-242	INACTIVE SITE
ASHLEY RIVER	TRIDENT	RS-19463	2019 RANDOM SITE -ACTIVE
ASHPOLE SWAMP	PEE DEE	PD-347	INACTIVE SITE
AWENDAW CREEK	TRIDENT	MD-250	INACTIVE SITE
AWENDAW CREEK	TRIDENT	MD-268	INACTIVE SITE
BEAR CREEK	CATAWBA	CW-131	INACTIVE SITE
BEAR CREEK	CATAWBA	CW-151	INACTIVE SITE
BEAR CREEK	CENT MIDLANDS	CW-229	INACTIVE SITE
BEAR CREEK	APPALACHIA II	RS-19458	2019 RANDOM SITE -ACTIVE
BEAR SWAMP	PEE DEE	PD-368	INACTIVE SITE
BEARDS FORK CREEK	APPALACHIA II	B-231	INACTIVE SITE
BEAUFORT RIVER	LOW COUNTRY	MD-001	BASE SITE - ACTIVE
BEAUFORT RIVER	LOW COUNTRY	MD-002	INACTIVE SITE
BEAUFORT RIVER	LOW COUNTRY	MD-003	INACTIVE SITE
BEAUFORT RIVER	LOW COUNTRY	MD-004	BASE SITE - ACTIVE
BEAUFORT RIVER	LOW COUNTRY	MD-005	INACTIVE SITE
BEAVER CREEK	MACRO CREW	CW-076	SEE APPENDIX F
BEAVER DAM CREEK	MACRO CREW	CW-691	SEE APPENDIX F
BEAVER DAM CREEK	MACRO CREW	CW-696	SEE APPENDIX F
BEAVER DAM CREEK	MACRO CREW	PD-678	SEE APPENDIX F
BEAVERDAM CREEK	APPALACHIA II	B-246	INACTIVE SITE
BEAVERDAM CREEK	MACRO CREW	B-784	SEE APPENDIX F
BEAVERDAM CREEK	MACRO CREW	B-796	SEE APPENDIX F
BEAVERDAM CREEK	APPALACHIA II	BE-039	INACTIVE SITE
BEAVERDAM CREEK	CATAWBA	CW-153	INACTIVE SITE
BEAVERDAM CREEK	APPALACHIA II	RS-11045	WATER OF CONCERN - ACTIVE
BEAVERDAM CREEK	APPALACHIA II	S-325	TEMPORARY REQUESTED SITE -ACTIVE
BEAVERDAM CREEK	MACRO CREW	S-852	SEE APPENDIX F
BEAVERDAM CREEK	L. SAVANNAH	SV-068	INACTIVE SITE
BEAVERDAM CREEK	APPALACHIA II	SV-345	INACTIVE SITE
BEAVERDAM CREEK	L. SAVANNAH	SV-353	INACTIVE SITE
BEAVERDAM CREEK	APPALACHIA II	SV-364	INACTIVE SITE
BEES CREEK	LOW COUNTRY	MD-128	INACTIVE SITE
BEES CREEK	LOW COUNTRY	MD-280	INACTIVE SITE
BENNETTS BRANCH	MACRO CREW	ST-536	SEE APPENDIX F
BENS CREEK	MACRO CREW	B-782	SEE APPENDIX F
BETSY CREEK	APPALACHIA II	SV-037	INACTIVE SITE
BIG ALLISON CREEK	MACRO CREW	CW-694	SEE APPENDIX F

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
BIG BEAVER CREEK	MACRO CREW	C-010	SEE APPENDIX F
BIG BLACK CREEK	MACRO CREW	PD-674	SEE APPENDIX F
BIG BRANCH	PEE DEE	CW-243	WATER OF CONCERN - ACTIVE
BIG BRANCH	TRIDENT	RS-10373	WATER OF CONCERN - ACTIVE
BIG BRANCH	CENT MIDLANDS	SC-047	INACTIVE SITE
BIG BRUSHY CREEK	APPALACHIA II	S-084	INACTIVE SITE
BIG BRUSHY CREEK	APPALACHIA II	S-301	INACTIVE SITE
BIG CEDAR CREEK	CENT MIDLANDS	B-320	BASE SITE - ACTIVE
BIG CEDAR CREEK	CENT MIDLANDS	RS-19464	2019 RANDOM SITE -ACTIVE
BIG CREEK	APPALACHIA II	S-302	INACTIVE SITE
BIG CURLY TAIL CREEK	MACRO CREW	SV-732	SEE APPENDIX F
BIG GENEROSTEE CREEK	MACRO CREW	SV-101	SEE APPENDIX F
BIG GENEROSTEE CREEK	APPALACHIA II	SV-316	INACTIVE SITE
BIG PINE TREE CREEK	CENT MIDLANDS	CW-021	WATER OF CONCERN - ACTIVE
BIG PINE TREE CREEK	CATAWBA	CW-213	INACTIVE SITE
BIG POPLAR CR	SANTEE COOPER	SC-011	INACTIVE SITE
BIG SWAMP	PEE DEE	PD-168	INACTIVE SITE
BIG SWAMP	PEE DEE	PD-169	WATER OF CONCERN - ACTIVE
BIG WATEREE CREEK	CENT MIDLANDS	CW-072	TEMPORARY REQUESTED SITE -ACTIVE
BIG WATEREE CREEK	CENT MIDLANDS	CW-252	TEMPORARY REQUESTED SITE -ACTIVE
BIRDS BRANCH	MACRO CREW	CSTL-579	SEE APPENDIX F
BLACK CREEK	MACRO CREW	CSTL-583	SEE APPENDIX F
BLACK CREEK	L. SAVANNAH	E-103	BASE SITE - ACTIVE
BLACK CREEK	MACRO CREW	E-599	SEE APPENDIX F
BLACK CREEK	CATAWBA	PD-004	INACTIVE SITE
BLACK CREEK	PEE DEE	PD-021	INACTIVE SITE
BLACK CREEK	PEE DEE	PD-023	INACTIVE SITE
BLACK CREEK	PEE DEE	PD-024A	WATER OF CONCERN - ACTIVE
BLACK CREEK	PEE DEE	PD-025	INACTIVE SITE
BLACK CREEK	PEE DEE	PD-027	WATER OF CONCERN - ACTIVE
BLACK CREEK	PEE DEE	PD-078	BASE SITE - ACTIVE
BLACK CREEK	PEE DEE	PD-159	INACTIVE SITE
BLACK CREEK	CATAWBA	PD-251	BASE SITE - ACTIVE
BLACK CREEK	PEE DEE	PD-330	INACTIVE SITE
BLACK CREEK	MACRO CREW	PD-670	SEE APPENDIX F
BLACK MINGO CREEK	PEE DEE	PD-172	INACTIVE SITE
BLACK MINGO CREEK	PEE DEE	PD-360	INACTIVE SITE
BLACK MINGO CREEK	PEE DEE	PD-361	BASE SITE - ACTIVE
BLACK RIVER	PEE DEE	PD-044	INACTIVE SITE
BLACK RIVER	PEE DEE	PD-045	INACTIVE SITE
BLACK RIVER	PEE DEE	PD-116	INACTIVE SITE
BLACK RIVER	PEE DEE	PD-170	WATER OF CONCERN - ACTIVE
BLACK RIVER	PEE DEE	PD-186	INACTIVE SITE
BLACK RIVER	PEE DEE	PD-227	BASE SITE - ACTIVE
BLACK RIVER	PEE DEE	PD-325	BASE SITE - ACTIVE
BLACK RIVER	PEE DEE	PD-353	BASE SITE - ACTIVE
BLACK RIVER	PEE DEE	PD-359	BASE SITE - ACTIVE
BLUE HILL CREEK	APPALACHIA II	SV-053B	INACTIVE SITE
BLY CREEK	PEE DEE	RT-19193	2019 RANDOM SITE -ACTIVE
BOHICKET CREEK	TRIDENT	MD-209	BASE SITE - ACTIVE
BOHICKET CREEK	TRIDENT	MD-210	INACTIVE SITE
BOILING CREEK	APPALACHIA II	RS-19477	2019 RANDOM SITE -ACTIVE
BOWEN RIVER	MACRO CREW	B-788	SEE APPENDIX F
BOYD MILLPOND	APPALACHIA II	S-311	BASE SITE - ACTIVE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
BRASSTOWN CREEK	MACRO CREW	SV-673	SEE APPENDIX F
BRIAR CREEK	MACRO CREW	SV-745	SEE APPENDIX F
BRIDGE CREEK POND	L. SAVANNAH	SV-722	INACTIVE SITE
BROAD CREEK	LOW COUNTRY	MD-174	BASE SITE - ACTIVE
BROAD MOUTH CREEK	APPALACHIA II	S-010	INACTIVE SITE
BROAD MOUTH CREEK	APPALACHIA II	S-289	INACTIVE SITE
BROAD MOUTH CREEK	APPALACHIA II	S-304	WATER OF CONCERN - ACTIVE
BROAD MOUTH CREEK	MACRO CREW	S-775	SEE APPENDIX F
BROAD RIVER	CATAWBA	B-042	BASE SITE - ACTIVE
BROAD RIVER	CATAWBA	B-044	BASE SITE - ACTIVE
BROAD RIVER	CATAWBA	B-046	BASE SITE - ACTIVE
BROAD RIVER	CENT MIDLANDS	B-047	BASE SITE - ACTIVE
BROAD RIVER	CENT MIDLANDS	B-080	TEMPORARY REQUESTED SITE -ACTIVE
BROAD RIVER	CENT MIDLANDS	B-236	INACTIVE SITE
BROAD RIVER	CENT MIDLANDS	B-337	BASE SITE - ACTIVE
BROAD RIVER	CATAWBA	B-351	INACTIVE SITE
BROAD RIVER	LOW COUNTRY	MD-012	INACTIVE SITE
BROAD RIVER	LOW COUNTRY	MD-116	BASE SITE - ACTIVE
BROAD RIVER	LOW COUNTRY	MD-172	INACTIVE SITE
BROAD RIVER	LOW COUNTRY	RO-19437	2019 RANDOM SITE -ACTIVE
BROAD RIVER	CENT MIDLANDS	RS-19488	2019 RANDOM SITE -ACTIVE
BROADWAY CREEK	APPALACHIA II	SV-141	INACTIVE SITE
BROADWAY CREEK	MACRO CREW	SV-791	SEE APPENDIX F
BROADWAY LAKE	APPALACHIA II	SV-258	INACTIVE SITE
BROADWAY LAKE	APPALACHIA II	SV-319	INACTIVE SITE
BROADWAY LAKE	APPALACHIA II	SV-321	INACTIVE SITE
BROWN CREEK	CATAWBA	CW-105	INACTIVE SITE
BROWN SWAMP	PEE DEE	RS-10389	WATER OF CONCERN - ACTIVE
BROWNS CREEK	CATAWBA	B-155	INACTIVE SITE
BRUNSON SWAMP	PEE DEE	PD-370	BASE SITE - ACTIVE
BRUSHY CREEK	APPALACHIA II	BE-009	INACTIVE SITE
BRUSHY CREEK	APPALACHIA II	BE-035	INACTIVE SITE
BRUSHY CREEK	APPALACHIA II	RS-09284	WATER OF CONCERN - ACTIVE
BRUSHY CREEK	APPALACHIA II	RS-10375	WATER OF CONCERN - ACTIVE
BRUSHY CREEK	APPALACHIA II	S-067	INACTIVE SITE
BRUSHY CREEK	MACRO CREW	S-867	SEE APPENDIX F
BUCK CREEK	MACRO CREW	B-783	SEE APPENDIX F
BUCK CREEK	PEE DEE	PD-362	INACTIVE SITE
BUCK SWAMP	PEE DEE	PD-031	INACTIVE SITE
BUCK SWAMP	PEE DEE	PD-349	BASE SITE - ACTIVE
BUCKHEAD CREEK	L. SAVANNAH	CSTL-119	INACTIVE SITE
BUCKHEAD CREEK	CENT MIDLANDS	RS-10408	WATER OF CONCERN - ACTIVE
BUCKHORN CREEK	MACRO CREW	B-795	SEE APPENDIX F
BUFFALO CREEK	CATAWBA	B-057	BASE SITE - ACTIVE
BUFFALO CREEK	CATAWBA	B-119	INACTIVE SITE
BUFFALO CREEK	MACRO CREW	B-740	SEE APPENDIX F
BULL SWAMP	L. SAVANNAH	RS-19454	2019 RANDOM SITE -ACTIVE
BULL SWAMP CREEK	CENT MIDLANDS	E-034	INACTIVE SITE
BULL SWAMP CREEK	CENT MIDLANDS	E-035	INACTIVE SITE
BULL SWAMP CREEK	L. SAVANNAH	E-042	WATER OF CONCERN - ACTIVE
BULLOCK CREEK	CATAWBA	B-159	BASE SITE - ACTIVE
BULLOCK CREEK	MACRO CREW	B-739	SEE APPENDIX F
BULLOCK CREEK	CATAWBA	RS-10336	WATER OF CONCERN - ACTIVE
BULLYARD SOUND	TRIDENT	MD-270	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
BUSH RIVER	CENT MIDLANDS	S-042	INACTIVE SITE
BUSH RIVER	CENT MIDLANDS	S-046	INACTIVE SITE
BUSH RIVER	CENT MIDLANDS	S-102	BASE SITE - ACTIVE
BUSHY PARK RESERVOIR	ASP	CSTL-124	WATER OF CONCERN - ACTIVE
CALABASH BRANCH	CATAWBA	CW-134	INACTIVE SITE
CALHOUN CREEK	MACRO CREW	SV-171	SEE APPENDIX F
CALIBOGUE SOUND	LOW COUNTRY	MD-175	INACTIVE SITE
CAMP BRANCH	PEE DEE	PD-346	INACTIVE SITE
CAMP CREEK	MACRO CREW	CW-084	SEE APPENDIX F
CAMP CREEK	CATAWBA	CW-235	INACTIVE SITE
CAMPING CREEK	CENT MIDLANDS	S-290	WATER OF CONCERN - ACTIVE
CANE CREEK	MACRO CREW	B-777	SEE APPENDIX F
CANE CREEK	CATAWBA	CW-017	BASE SITE - ACTIVE
CANE CREEK	CATAWBA	CW-185	INACTIVE SITE
CANE CREEK	MACRO CREW	CW-210	SEE APPENDIX F
CANE CREEK	MACRO CREW	S-804	SEE APPENDIX F
CANE CREEK	APPALACHIA II	SV-342	INACTIVE SITE
CANNONS CREEK	MACRO CREW	B-751	SEE APPENDIX F
CANOE CREEK	CATAWBA	B-088	INACTIVE SITE
CASINO CREEK	TRIDENT	MD-266	BASE SITE - ACTIVE
CATAWBA RIVER	CATAWBA	CW-014	BASE SITE - ACTIVE
CATAWBA RIVER	CATAWBA	CW-016	BASE SITE - ACTIVE
CATAWBA RIVER	CATAWBA	CW-041	BASE SITE - ACTIVE
CATAWBA RIVER TRIBUTARY	CATAWBA	CW-221	INACTIVE SITE
CATFISH CANAL	PEE DEE	PD-097	BASE SITE - ACTIVE
CATTAIL BRANCH	CATAWBA	RS-16312	WATER OF CONCERN - ACTIVE
CATTLE CREEK	L. SAVANNAH	E-108	INACTIVE SITE
CAW CAW SWAMP	L. SAVANNAH	E-105	WATER OF CONCERN - ACTIVE
CEDAR CREEK	CENT MIDLANDS	C-069	INACTIVE SITE
CEDAR CREEK	CENT MIDLANDS	C-071	INACTIVE SITE
CEDAR CREEK	CENT MIDLANDS	C-075	BASE SITE - ACTIVE
CEDAR CREEK	CENT OFFICE	C-076	INACTIVE SITE
CEDAR CREEK	CENT OFFICE	C-077	INACTIVE SITE
CEDAR CREEK	CATAWBA	PD-151	INACTIVE SITE
CEDAR CREEK	PEE DEE	PD-351	INACTIVE SITE
CEDAR CREEK	MACRO CREW	PD-675	SEE APPENDIX F
CEDAR CREEK	CENT MIDLANDS	RS-09312	WATER OF CONCERN - ACTIVE
CEDAR CREEK	CATAWBA	RS-13144	WATER OF CONCERN - ACTIVE
CEDAR CREEK	MACRO CREW	SV-723	SEE APPENDIX F
CEDAR CREEK RESERVOIR	CATAWBA	CW-033	TEMPORARY REQUESTED SITE -ACTIVE
CEDAR CREEK RESERVOIR	CATAWBA	CW-174	TEMPORARY REQUESTED SITE -ACTIVE
CEDAR CREEK RESERVOIR	CATAWBA	CW-175	INACTIVE SITE
CEDAR CREEK RESERVOIR	CATAWBA	RL-19149	2019 RANDOM SITE -ACTIVE
CEDAR CREEK RESERVOIR	CATAWBA	RL-19254	2019 RANDOM SITE -ACTIVE
CEDAR SHOALS CREEK	MACRO CREW	B-785	SEE APPENDIX F
CEDAR SHOALS CREEK	APPALACHIA II	RS-10403	WATER OF CONCERN - ACTIVE
CEDAR SWAMP	MACRO CREW	E-596	SEE APPENDIX F
CHAPEL BRANCH CREEK	SANTEE COOPER	SC-045	INACTIVE SITE
CHARLESTON HARBOR	TRIDENT	MD-048	INACTIVE SITE
CHARLESTON HARBOR	TRIDENT	MD-165	INACTIVE SITE
CHARLESTON HARBOR	TRIDENT	MD-247	INACTIVE SITE
CHATTOOGA RIVER	APPALACHIA II	SV-199	BASE SITE - ACTIVE
CHATTOOGA RIVER	APPALACHIA II	SV-227	INACTIVE SITE
CHAUGA RIVER	APPALACHIA II	SV-344	BASE SITE - ACTIVE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
CHAUGA RIVER	MACRO CREW	SV-675	SEE APPENDIX F
CHECHESSEE RIVER	LOW COUNTRY	MD-117	BASE SITE - ACTIVE
CHECHESSEE RIVER	LOW COUNTRY	RO-19433	2019 RANDOM SITE -ACTIVE
CHEHAW RIVER	LOW COUNTRY	RT-19219	2019 RANDOM SITE -ACTIVE
CHEROKEE CREEK	CATAWBA	B-056	INACTIVE SITE
CHEROKEE CREEK	MACRO CREW	B-679	SEE APPENDIX F
CHEROKEE CREEK	APPALACHIA II	SV-043	INACTIVE SITE
CHESSEY CREEK	MACRO CREW	CSTL-580	SEE APPENDIX F
CHESTER STATE PARK LAKE	CATAWBA	CL-023	INACTIVE SITE
CHEVES CREEK	MACRO CREW	SV-725	SEE APPENDIX F
CHINNERS SWAMP	PEE DEE	PD-177	INACTIVE SITE
CHINNERS SWAMP	PEE DEE	PD-352	BASE SITE - ACTIVE
CHINQUAPIN CREEK	L. SAVANNAH	E-091	INACTIVE SITE
CHINQUAPIN CREEK	APPALACHIA II	RS-09316	WATER OF CONCERN - ACTIVE
CHOESTOE CREEK	APPALACHIA II	SV-108	INACTIVE SITE
CHURCH CREEK	TRIDENT	MD-195	INACTIVE SITE
CHURCH CREEK	TRIDENT	MD-246	INACTIVE SITE
CLARK CREEK	MACRO CREW	B-157	SEE APPENDIX F
CLARK FORK TO CRAWFORD LAKE	CATAWBA	B-325	INACTIVE SITE
CLEAR CREEK	APPALACHIA II	RS-10402	WATER OF CONCERN - ACTIVE
CLOUDS CREEK	L. SAVANNAH	S-113	INACTIVE SITE
CLOUDS CREEK	L. SAVANNAH	S-255	INACTIVE SITE
CLOUDS CREEK	L. SAVANNAH	S-324	BASE SITE - ACTIVE
COLLETON RIVER	LOW COUNTRY	MD-176	BASE SITE - ACTIVE
COLLETON RIVER	LOW COUNTRY	MD-245	INACTIVE SITE
COLONELS CREEK	CENT MIDLANDS	CW-240	INACTIVE SITE
COLONELS CREEK	CENT MIDLANDS	CW-250	WATER OF CONCERN - ACTIVE
COMBAHEE RIVER	LOW COUNTRY	CSTL-098	INACTIVE SITE
COMBAHEE RIVER	LOW COUNTRY	CSTL-111	INACTIVE SITE
COMBAHEE RIVER	LOW COUNTRY	MD-252	BASE SITE - ACTIVE
COMBAHEE SWAMP	TRIDENT	CSTL-007	INACTIVE SITE
CONEROSS CREEK	APPALACHIA II	SV-004	BASE SITE - ACTIVE
CONEROSS CREEK	APPALACHIA II	SV-322	INACTIVE SITE
CONEROSS CREEK	APPALACHIA II	SV-333	INACTIVE SITE
CONGAREE CREEK	CENT MIDLANDS	C-008	INACTIVE SITE
CONGAREE CREEK	CENT MIDLANDS	C-070	BASE SITE - ACTIVE
CONGAREE CREEK	MACRO CREW	C-565	SEE APPENDIX F
CONGAREE RIVER	CENT MIDLANDS	C-007	BASE SITE - ACTIVE
CONGAREE RIVER	CENT MIDLANDS	C-007E	INACTIVE SITE
CONGAREE RIVER	CENT MIDLANDS	C-007H	INACTIVE SITE
CONGAREE RIVER	CENT MIDLANDS	C-074	BASE SITE - ACTIVE
CONGAREE RIVER	CENT MIDLANDS	CSB-001L	TEMPORARY REQUESTED SITE -ACTIVE
CONGAREE RIVER	CENT MIDLANDS	CSB-001R	TEMPORARY REQUESTED SITE -ACTIVE
CONGAREE RIVER	CENT MIDLANDS	SC-001	INACTIVE SITE
CONRAD CREEK	CATAWBA	RS-15284	WATER OF CONCERN - ACTIVE
COOPER RIVER	TRIDENT	CSTL-085	INACTIVE SITE
COOPER RIVER	TRIDENT	MD-043	BASE SITE - ACTIVE
COOPER RIVER	TRIDENT	MD-044	INACTIVE SITE
COOPER RIVER	TRIDENT	MD-045	BASE SITE - ACTIVE
COOPER RIVER	TRIDENT	MD-046	INACTIVE SITE
COOPER RIVER	TRIDENT	MD-152	INACTIVE SITE
COOPER RIVER	TRIDENT	MD-248	BASE SITE - ACTIVE
COOPER RIVER	LOW COUNTRY	MD-257	BASE SITE - ACTIVE
COOSAW RIVER	LOW COUNTRY	MD-168	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
COOSAW RIVER	LOW COUNTRY	MD-281	BASE SITE - ACTIVE
COOSAWHATCHIE RIVER	LOW COUNTRY	CSTL-107	BASE SITE - ACTIVE
COOSAWHATCHIE RIVER	LOW COUNTRY	CSTL-109	INACTIVE SITE
COOSAWHATCHIE RIVER	L. SAVANNAH	CSTL-110	INACTIVE SITE
COOSAWHATCHIE RIVER	LOW COUNTRY	CSTL-121	BASE SITE - ACTIVE
COOSAWHATCHIE RIVER	MACRO CREW	CSTL-540	SEE APPENDIX F
COOSAWHATCHIE RIVER	LOW COUNTRY	RO-19429	2019 RANDOM SITE -ACTIVE
COOSAWHATCHIE RIVER	LOW COUNTRY	RT-19207	2019 RANDOM SITE -ACTIVE
CORONACA CREEK	L. SAVANNAH	RS-11054	WATER OF CONCERN - ACTIVE
CORONACA CREEK	L. SAVANNAH	S-092	INACTIVE SITE
CORONACA CREEK	MACRO CREW	S-184	SEE APPENDIX F
COUSAR BRANCH	PEE DEE	PD-112	INACTIVE SITE
COW CASTLE CREEK	L. SAVANNAH	E-050	BASE SITE - ACTIVE
COWN CREEK	LOW COUNTRY	RO-19434	2019 RANDOM SITE -ACTIVE
CRAB TREE SWAMP	PEE DEE	MD-158	INACTIVE SITE
CRANE CREEK	MACRO CREW	B-081	SEE APPENDIX F
CRANE CREEK	CENT MIDLANDS	B-316	INACTIVE SITE
CRANE CREEK	MACRO CREW	SV-684	SEE APPENDIX F
CRIMS CREEK	MACRO CREW	B-800	SEE APPENDIX F
CRIMS CREEK	CENT MIDLANDS	RS-11041	WATER OF CONCERN - ACTIVE
CROOKED CREEK	PEE DEE	PD-014	INACTIVE SITE
CROOKED CREEK	CATAWBA	PD-063	WATER OF CONCERN - ACTIVE
CROOKED CREEK	PEE DEE	PD-107	INACTIVE SITE
CROWDERS CREEK	CATAWBA	CW-023	BASE SITE - ACTIVE
CROWDERS CREEK	CATAWBA	CW-024	INACTIVE SITE
CROWDERS CREEK	CATAWBA	CW-152	INACTIVE SITE
CROWDERS CREEK	CATAWBA	RS-13136	WATER OF CONCERN - ACTIVE
CUFFYTOWN CREEK	L. SAVANNAH	RS-11005	WATER OF CONCERN - ACTIVE
CUFFYTOWN CREEK	L. SAVANNAH	SV-351	INACTIVE SITE
CUPBOARD CREEK	APPALACHIA II	SV-139	INACTIVE SITE
CUPBOARD CREEK	APPALACHIA II	SV-140	INACTIVE SITE
CYPRESS BRANCH	MACRO CREW	SV-744	SEE APPENDIX F
CYPRESS CREEK	LOW COUNTRY	CSTL-122	BASE SITE - ACTIVE
CYPRESS CREEK	MACRO CREW	CSTL-582	SEE APPENDIX F
CYPRESS CREEK	LOW COUNTRY	SV-356	INACTIVE SITE
CYPRESS SWAMP	TRIDENT	CSTL-078	INACTIVE SITE
DAIRY BRANCH	CATAWBA	RS-13152	WATER OF CONCERN - ACTIVE
DAWHO RIVER	LOW COUNTRY	MD-120	BASE SITE - ACTIVE
DEAN SWAMP	L. SAVANNAH	E-030	INACTIVE SITE
DEAN SWAMP CREEK	L. SAVANNAH	E-107	INACTIVE SITE
DEEP CREEK	MACRO CREW	PD-671	SEE APPENDIX F
DIVERSION CANAL	SANTEE COOPER	CSTL-079	INACTIVE SITE
DIVERSION CANAL	SANTEE COOPER	SC-025	INACTIVE SITE
DOCTOR BRANCH	MACRO CREW	ST-537	SEE APPENDIX F
DOOLITTLE CREEK	CATAWBA	B-323	INACTIVE SITE
DORCHESTER CREEK	TRIDENT	CSTL-013	INACTIVE SITE
DRY FORK	CATAWBA	B-074	INACTIVE SITE
DUCK POND CREEK	SANTEE COOPER	SC-034	INACTIVE SITE
DUNCAN CREEK	CENT MIDLANDS	B-072	BASE SITE - ACTIVE
DUNCAN CREEK RESERVOIR 6B	APPALACHIA II	B-735	INACTIVE SITE
DURBIN CREEK	APPALACHIA II	B-035	INACTIVE SITE
DURBIN CREEK	APPALACHIA II	B-097	INACTIVE SITE
DURBIN CREEK	MACRO CREW	BE-022	SEE APPENDIX F
DURHAM CREEK	TRIDENT	MD-217	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
DUTCHMANS CREEK	MACRO CREW	B-733	SEE APPENDIX F
DUTCHMANS CREEK	MACRO CREW	CW-692	SEE APPENDIX F
E FORK CHATTOOGA RIVER	APPALACHIA II	SV-308	INACTIVE SITE
E FORK CHATTOOGA RIVER	MACRO CREW	SV-792	SEE APPENDIX F
EAGLE CREEK	TRIDENT	CSTL-099	INACTIVE SITE
EAST BRANCH COOPER RIVER	TRIDENT	CSTL-123	BASE SITE - ACTIVE
EASTATOE CREEK	APPALACHIA II	SV-230	WATER OF CONCERN - ACTIVE
EASTATOE CREEK	MACRO CREW	SV-741	SEE APPENDIX F
EDISTO RIVER	L. SAVANNAH	E-013	INACTIVE SITE
EDISTO RIVER	L. SAVANNAH	E-013A	INACTIVE SITE
EDISTO RIVER	TRIDENT	E-014	WATER OF CONCERN - ACTIVE
EDISTO RIVER	TRIDENT	E-015	INACTIVE SITE
EDISTO RIVER	TRIDENT	E-086	BASE SITE - ACTIVE
EDISTO RIVER	LOW COUNTRY	MD-119	BASE SITE - ACTIVE
EIGHTEENMILE CREEK	APPALACHIA II	SV-017	INACTIVE SITE
EIGHTEENMILE CREEK	APPALACHIA II	SV-135	INACTIVE SITE
EIGHTEENMILE CREEK	APPALACHIA II	SV-233	BASE SITE - ACTIVE
EIGHTEENMILE CREEK	APPALACHIA II	SV-245	INACTIVE SITE
ELLIOTT CUT	TRIDENT	MD-025	INACTIVE SITE
ENOREE RIVER	APPALACHIA II	B-037	WATER OF CONCERN - ACTIVE
ENOREE RIVER	APPALACHIA II	B-040	BASE SITE - ACTIVE
ENOREE RIVER	APPALACHIA II	B-041	INACTIVE SITE
ENOREE RIVER	CENT MIDLANDS	B-053	BASE SITE - ACTIVE
ENOREE RIVER	CENT MIDLANDS	B-054	BASE SITE - ACTIVE
ENOREE RIVER	MACRO CREW	B-797	SEE APPENDIX F
ENOREE RIVER	APPALACHIA II	BE-001	INACTIVE SITE
ENOREE RIVER	APPALACHIA II	BE-015	INACTIVE SITE
ENOREE RIVER	APPALACHIA II	BE-017	INACTIVE SITE
ENOREE RIVER	APPALACHIA II	BE-018	INACTIVE SITE
ENOREE RIVER	MACRO CREW	BE-019	SEE APPENDIX F
ENOREE RIVER	APPALACHIA II	BE-024	INACTIVE SITE
ENOREE RIVER	APPALACHIA II	RS-11018	WATER OF CONCERN - ACTIVE
ENOREE RIVER	APPALACHIA II	RS-19461	2019 RANDOM SITE -ACTIVE
FAIRFOREST CREEK	APPALACHIA II	B-020	INACTIVE SITE
FAIRFOREST CREEK	APPALACHIA II	B-021	INACTIVE SITE
FAIRFOREST CREEK	APPALACHIA II	B-164	INACTIVE SITE
FAIRFOREST CREEK	CATAWBA	BF-007	INACTIVE SITE
FAIRFOREST CREEK	CATAWBA	BF-008	BASE SITE - ACTIVE
FAIRFOREST CREEK	CATAWBA	RS-14210	WATER OF CONCERN - ACTIVE
FAIRFOREST CREEK TRIBUTARYUTARY	APPALACHIA II	B-321	INACTIVE SITE
FALL CREEK	APPALACHIA II	RS-09304	WATER OF CONCERN - ACTIVE
FERGERSON CREEK	MACRO CREW	B-787	SEE APPENDIX F
FILBIN CREEK	TRIDENT	MD-249	INACTIVE SITE
FIRST BRANCH	L. SAVANNAH	E-001	INACTIVE SITE
FISHING CREEK	CATAWBA	CW-005	INACTIVE SITE
FISHING CREEK	CATAWBA	CW-008	INACTIVE SITE
FISHING CREEK	CATAWBA	CW-029	TEMPORARY REQUESTED SITE -ACTIVE
FISHING CREEK	MACRO CREW	CW-031	SEE APPENDIX F
FISHING CREEK	CATAWBA	CW-224	INACTIVE SITE
FISHING CREEK	CATAWBA	CW-225	INACTIVE SITE
FISHING CREEK	CATAWBA	CW-233	BASE SITE - ACTIVE
FISHING CREEK	MACRO CREW	CW-654	SEE APPENDIX F
FISHING CREEK	CATAWBA	RS-11056	WATER OF CONCERN - ACTIVE
FISHING CREEK RESERVOIR	CATAWBA	CW-016F	TEMPORARY REQUESTED SITE -ACTIVE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
FISHING CREEK RESERVOIR	CATAWBA	CW-057	BASE SITE - ACTIVE
FIVE FATHOM CREEK	TRIDENT	MD-267	BASE SITE - ACTIVE
FLAT CREEK	MACRO CREW	PD-182	SEE APPENDIX F
FLAT CREEK	CATAWBA	PD-342	INACTIVE SITE
FLAT ROCK CREEK	MACRO CREW	CW-077	SEE APPENDIX F
FLAT ROCK POND	L. SAVANNAH	SV-686	INACTIVE SITE
FLAT SHOALS RIVER	MACRO CREW	SV-743	SEE APPENDIX F
FOLLY CREEK	TRIDENT	MD-274	INACTIVE SITE
FOLLY RIVER	TRIDENT	MD-130	BASE SITE - ACTIVE
FOREST LAKE	CENT MIDLANDS	C-068	INACTIVE SITE
FORK CREEK	CATAWBA	PD-067	INACTIVE SITE
FORK CREEK	CATAWBA	PD-068	INACTIVE SITE
FOSTER CREEK	TRIDENT	MD-240	INACTIVE SITE
FOUR HOLE SWAMP	TRIDENT	E-015A	INACTIVE SITE
FOUR HOLE SWAMP	L. SAVANNAH	E-059	2019 RANDOM SITE -ACTIVE
FOUR HOLE SWAMP	TRIDENT	E-100	INACTIVE SITE
FOUR HOLE SWAMP	L. SAVANNAH	E-111	BASE SITE - ACTIVE
FOUR HOLE SWAMP	L. SAVANNAH	E-112	INACTIVE SITE
FOUR HOLE SWAMP	TRIDENT	E-116	BASE SITE - ACTIVE
FOUR HOLE SWAMP	L. SAVANNAH	RS-10341	WATER OF CONCERN - ACTIVE
FOURMILE BRANCH	L. SAVANNAH	SV-326	INACTIVE SITE
FOURTEEN MILE CREEK	MACRO CREW	S-848	SEE APPENDIX F
FULLER SWAMP CREEK	MACRO CREW	CSTL-581	SEE APPENDIX F
GEORGES CREEK	APPALACHIA II	S-063	INACTIVE SITE
GEORGES CREEK	APPALACHIA II	S-300	INACTIVE SITE
GEORGES CREEK	MACRO CREW	S-865	SEE APPENDIX F
GEORGES CREEK TRIBUTARY	APPALACHIA II	S-005	INACTIVE SITE
GILDER CREEK	APPALACHIA II	B-241	INACTIVE SITE
GILDER CREEK	APPALACHIA II	BE-020	INACTIVE SITE
GILDER CREEK	APPALACHIA II	BE-040	INACTIVE SITE
GILKEY CREEK	CATAWBA	B-334	INACTIVE SITE
GILKEY CREEK	CATAWBA	RS-13162	WATER OF CONCERN - ACTIVE
GILL CREEK	MACRO CREW	SV-644	SEE APPENDIX F
GILLS CREEK	CENT MIDLANDS	C-001	INACTIVE SITE
GILLS CREEK	CENT MIDLANDS	C-017	BASE SITE - ACTIVE
GILLS CREEK	CATAWBA	CW-047	INACTIVE SITE
GILLS CREEK	CATAWBA	RS-14200	WATER OF CONCERN - ACTIVE
GOFORTH CREEK	MACRO CREW	B-789	SEE APPENDIX F
GOLDEN CREEK	APPALACHIA II	SV-239	INACTIVE SITE
GOLDEN CREEK	MACRO CREW	SV-738	SEE APPENDIX F
GOODLAND CREEK	L. SAVANNAH	E-036	INACTIVE SITE
GOODMANS CREEK	CATAWBA	RS-11004	WATER OF CONCERN - ACTIVE
GOOSE CREEK	TRIDENT	MD-039	INACTIVE SITE
GOOSE CREEK	TRIDENT	MD-114	INACTIVE SITE
GOOSE CREEK RESERVOIR	TRIDENT	MD-113	INACTIVE SITE
GOOSE CREEK RESERVOIR	TRIDENT	RL-19259	2019 RANDOM SITE -ACTIVE
GOOSE CREEK RESERVOIR	TRIDENT	ST-032	INACTIVE SITE
GOOSE CREEK RESERVOIR	TRIDENT	ST-033	INACTIVE SITE
GRAMLING CREEK	L. SAVANNAH	E-022	INACTIVE SITE
GRANNIES QUARTER CREEK	MACRO CREW	CW-078	SEE APPENDIX F
GRANNIES QUARTER CREEK	CENT MIDLANDS	CW-237	WATER OF CONCERN - ACTIVE
GRASSY RUN BRANCH	CATAWBA	CW-088	INACTIVE SITE
GREAT FALLS RESERVOIR	CATAWBA	RL-19258	2019 RANDOM SITE -ACTIVE
GREAT SWAMP	LOW COUNTRY	MD-129	BASE SITE - ACTIVE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
GREEN SWAMP	PEE DEE	PD-039	INACTIVE SITE
GREGORYS CREEK	CATAWBA	B-335	INACTIVE SITE
GROVE CREEK	APPALACHIA II	S-171	INACTIVE SITE
GROVE CREEK	MACRO CREW	S-774	SEE APPENDIX F
GULLEY BRANCH	PEE DEE	PD-065	INACTIVE SITE
GUM SWAMP	PEE DEE	PD-062	INACTIVE SITE
GUYONMOORE CREEK	CATAWBA	B-330	INACTIVE SITE
HAGINS PRONG	PEE DEE	PD-336	INACTIVE SITE
HAILE GOLD MINE CREEK	CATAWBA	PD-334	INACTIVE SITE
HALFWAY SWAMP CREEK	L. SAVANNAH	C-015	TEMPORARY REQUESTED SITE -ACTIVE
HALFWAY SWAMP CREEK	CENT MIDLANDS	C-063	INACTIVE SITE
HALFWAY SWAMP CREEK	CENT MIDLANDS	CW-241	INACTIVE SITE
HALFWAY SWAMP CREEK	SANTEE COOPER	SC-007	INACTIVE SITE
HALFWAY SWAMP CREEK	MACRO CREW	ST-534	SEE APPENDIX F
HAMLIN CREEK	TRIDENT	MD-272	INACTIVE SITE
HAMLIN SOUND	TRIDENT	MD-271	BASE SITE - ACTIVE
HANGING ROCK CREEK	CATAWBA	PD-328	INACTIVE SITE
HANGING ROCK CREEK	MACRO CREW	PD-669	SEE APPENDIX F
HARD LABOR CREEK	L. SAVANNAH	SV-151	INACTIVE SITE
HARD LABOR CREEK	MACRO CREW	SV-731	SEE APPENDIX F
HELLERS CREEK	MACRO CREW	B-151	SEE APPENDIX F
HEN COOP CREEK	MACRO CREW	SV-044	SEE APPENDIX F
HENLEY CREEK	L. SAVANNAH	RS-09322	WATER OF CONCERN - ACTIVE
HIGH HILL CREEK	PEE DEE	PD-103	INACTIVE SITE
HILLS CREEK	CATAWBA	PD-333	INACTIVE SITE
HILLS CREEK	CATAWBA	PD-366	INACTIVE SITE
HILLS CREEK	MACRO CREW	PD-672	SEE APPENDIX F
HODGES BRANCH	CATAWBA	RS-10331	WATER OF CONCERN - ACTIVE
HOGFORK BRANCH	CENT MIDLANDS	CW-251	TEMPORARY REQUESTED SITE -ACTIVE
HOGSKIN CREEK	MACRO CREW	SV-733	SEE APPENDIX F
HOLLOW CREEK	CENT MIDLANDS	S-306	INACTIVE SITE
HOLLOW CREEK	L. SAVANNAH	SV-350	BASE SITE - ACTIVE
HORN CREEK	L. SAVANNAH	SV-371	BASE SITE - ACTIVE
HORN CREEK	MACRO CREW	SV-726	SEE APPENDIX F
HORSE CREEK	MACRO CREW	S-862	SEE APPENDIX F
HORSE CREEK	L. SAVANNAH	SV-071	INACTIVE SITE
HORSE CREEK	L. SAVANNAH	SV-072	WATER OF CONCERN - ACTIVE
HORSE CREEK	L. SAVANNAH	SV-096	INACTIVE SITE
HORSE CREEK	L. SAVANNAH	SV-250	BASE SITE - ACTIVE
HORSE CREEK	L. SAVANNAH	SV-329	INACTIVE SITE
HORSE PEN CREEK	MACRO CREW	B-793	SEE APPENDIX F
HORSE RANGE SWAMP	L. SAVANNAH	E-052	INACTIVE SITE
HORSESHOE CREEK	LOW COUNTRY	CSTL-071	BASE SITE - ACTIVE
HORTON CREEK	CATAWBA	PD-335	INACTIVE SITE
HOUSE CREEK	PEE DEE	MD-276	INACTIVE SITE
HUFF CREEK	APPALACHIA II	S-134	INACTIVE SITE
HUFF CREEK	APPALACHIA II	S-178	WATER OF CONCERN - ACTIVE
HUFF CREEK	MACRO CREW	S-863	SEE APPENDIX F
HUSPAH CREEK	LOW COUNTRY	MD-254	INACTIVE SITE
ICWW	TRIDENT	MD-069	BASE SITE - ACTIVE
ICWW	PEE DEE	MD-085	BASE SITE - ACTIVE
ICWW	PEE DEE	MD-087	INACTIVE SITE
ICWW	PEE DEE	MD-088	INACTIVE SITE
ICWW	PEE DEE	MD-089	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
ICWW	PEE DEE	MD-091	INACTIVE SITE
ICWW	PEE DEE	MD-125	BASE SITE - ACTIVE
ICWW	PEE DEE	MD-127	BASE SITE - ACTIVE
INDIAN CREEK	MACRO CREW	B-071	SEE APPENDIX F
INDIAN CREEK	CENT MIDLANDS	B-352	BASE SITE - ACTIVE
INDIAN CREEK	CATAWBA	RS-10377	WATER OF CONCERN - ACTIVE
INDIAN FIELD SWAMP	TRIDENT	E-032	BASE SITE - ACTIVE
INDIAN FIELDS CREEK	MACRO CREW	E-597	SEE APPENDIX F
IRELAND CREEK	LOW COUNTRY	CSTL-044	INACTIVE SITE
IRENE CREEK	CATAWBA	B-059	INACTIVE SITE
IRON SWAMP TRIBUTARY	TRIDENT	CSTL-114	INACTIVE SITE
J. STROM THURMOND LAKE	L. SAVANNAH	CL-039	INACTIVE SITE
J. STROM THURMOND LAKE	L. SAVANNAH	CL-040	INACTIVE SITE
J. STROM THURMOND LAKE	L. SAVANNAH	CL-041	BASE SITE - ACTIVE
J. STROM THURMOND LAKE	L. SAVANNAH	SV-291	INACTIVE SITE
JACKS CREEK	CENT MIDLANDS	CW-244	INACTIVE SITE
JACKS CREEK	CENT MIDLANDS	SC-013	INACTIVE SITE
JACKSON CREEK	CENT MIDLANDS	B-102	INACTIVE SITE
JACKSON CREEK	MACRO CREW	CSTL-051	SEE APPENDIX F
JEFFERIES CREEK	PEE DEE	PD-035	INACTIVE SITE
JEFFERIES CREEK	PEE DEE	PD-231	BASE SITE - ACTIVE
JEFFERIES CREEK	PEE DEE	PD-255	INACTIVE SITE
JEFFERIES CREEK	PEE DEE	PD-256	INACTIVE SITE
JENKINS CREEK	LOW COUNTRY	MD-255	INACTIVE SITE
JEREMY CREEK	TRIDENT	MD-203	INACTIVE SITE
JIMMIES CREEK	APPALACHIA II	B-019	INACTIVE SITE
JIMMIES CREEK	MACRO CREW	B-786	SEE APPENDIX F
JOHNS CREEK	MACRO CREW	SV-734	SEE APPENDIX F
JUNIPER CREEK	CATAWBA	PD-340	INACTIVE SITE
KELLY CREEK	CENT MIDLANDS	CW-154	WATER OF CONCERN - ACTIVE
KELSEY CREEK	APPALACHIA II	B-235	INACTIVE SITE
KERR CREEK	CENT MIDLANDS	RS-10387	WATER OF CONCERN - ACTIVE
KIAWAH RIVER	TRIDENT	MD-207	INACTIVE SITE
KIAWAH RIVER	TRIDENT	MD-273	BASE SITE - ACTIVE
KINGS CREEK	CATAWBA	B-333	BASE SITE - ACTIVE
KINGS CREEK	MACRO CREW	B-799	SEE APPENDIX F
KINGSTREE SWAMP CANAL	PEE DEE	PD-358	INACTIVE SITE
KINGSTREE SWAMP CANAL	PEE DEE	RS-10381	WATER OF CONCERN - ACTIVE
KINLEY CREEK	CENT MIDLANDS	S-260	INACTIVE SITE
LAKE ASHWOOD	PEE DEE	CL-077	INACTIVE SITE
LAKE BLALOCK	APPALACHIA II	B-347	INACTIVE SITE
LAKE BLALOCK	APPALACHIA II	RL-19253	2019 RANDOM SITE -ACTIVE
LAKE BLALOCK	APPALACHIA II	RL-19257	2019 RANDOM SITE -ACTIVE
LAKE CHEROKEE	CATAWBA	B-343	INACTIVE SITE
LAKE COOLEY	APPALACHIA II	B-348	INACTIVE SITE
LAKE CRAIG	APPALACHIA II	CL-033	INACTIVE SITE
LAKE CUNNINGHAM	APPALACHIA II	B-341	INACTIVE SITE
LAKE EDGAR BROWN	L. SAVANNAH	CL-064	INACTIVE SITE
LAKE EDWIN JOHNSON	APPALACHIA II	CL-035	INACTIVE SITE
LAKE ELIZABETH	CENT MIDLANDS	B-110	INACTIVE SITE
LAKE GEORGE WARREN	LOW COUNTRY	CL-062	INACTIVE SITE
LAKE GEORGE WARREN	ASP	CSTL-075	WATER OF CONCERN - ACTIVE
LAKE GREENWOOD	APPALACHIA II	S-022	BASE SITE - ACTIVE
LAKE GREENWOOD	APPALACHIA II	S-024	BASE SITE - ACTIVE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
LAKE GREENWOOD	APPALACHIA II	S-097	INACTIVE SITE
LAKE GREENWOOD	APPALACHIA II	S-131	BASE SITE - ACTIVE
LAKE GREENWOOD	APPALACHIA II	S-303	INACTIVE SITE
LAKE GREENWOOD	APPALACHIA II	S-307	INACTIVE SITE
LAKE GREENWOOD	APPALACHIA II	S-308	BASE SITE - ACTIVE
LAKE HARTWELL	APPALACHIA II	RL-19179	2019 RANDOM SITE -ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-106	INACTIVE SITE
LAKE HARTWELL	APPALACHIA II	SV-107	INACTIVE SITE
LAKE HARTWELL	APPALACHIA II	SV-200	BASE SITE - ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-236	2019 RANDOM SITE -ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-249	INACTIVE SITE
LAKE HARTWELL	APPALACHIA II	SV-268	BASE SITE - ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-288	INACTIVE SITE
LAKE HARTWELL	APPALACHIA II	SV-339	BASE SITE - ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-340	2019 RANDOM SITE -ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-363	BASE SITE - ACTIVE
LAKE HARTWELL	APPALACHIA II	SV-374	TEMPORARY REQUESTED SITE -ACTIVE
LAKE HB ROBINSON	CATAWBA	CL-094	INACTIVE SITE
LAKE HB ROBINSON	CATAWBA	PD-327	BASE SITE - ACTIVE
LAKE INSPIRATION	CENT MIDLANDS	C-058	INACTIVE SITE
LAKE ISSAQUEENA	APPALACHIA II	SV-360	INACTIVE SITE
LAKE JOCASSEE	APPALACHIA II	CL-019	BASE SITE - ACTIVE
LAKE JOCASSEE	APPALACHIA II	RL-19155	2019 RANDOM SITE -ACTIVE
LAKE JOCASSEE	APPALACHIA II	SV-334	INACTIVE SITE
LAKE JOCASSEE	APPALACHIA II	SV-335	BASE SITE - ACTIVE
LAKE JOCASSEE	APPALACHIA II	SV-336	BASE SITE - ACTIVE
LAKE JOCASSEE	APPALACHIA II	SV-337	INACTIVE SITE
LAKE JOHN A ROBINSON	APPALACHIA II	CL-100	INACTIVE SITE
LAKE JOHN D LONG	CATAWBA	B-344	INACTIVE SITE
LAKE JUNIPER (EUREKA)	CATAWBA	CL-088	INACTIVE SITE
LAKE KEOWEE	APPALACHIA II	RL-19159	2019 RANDOM SITE -ACTIVE
LAKE KEOWEE	APPALACHIA II	RL-19167	2019 RANDOM SITE -ACTIVE
LAKE KEOWEE	APPALACHIA II	SV-311	INACTIVE SITE
LAKE KEOWEE	APPALACHIA II	SV-312	INACTIVE SITE
LAKE KEOWEE	APPALACHIA II	SV-338	BASE SITE - ACTIVE
LAKE KEOWEE	APPALACHIA II	SV-361	BASE SITE - ACTIVE
LAKE LANIER	APPALACHIA II	B-099A	INACTIVE SITE
LAKE LANIER	APPALACHIA II	B-099B	INACTIVE SITE
LAKE MARION	SANTEE COOPER	CL-042	BASE SITE - ACTIVE
LAKE MARION	MACRO CREW	RL-19164	2019 RANDOM SITE -ACTIVE
LAKE MARION	SANTEE COOPER	RL-19176	2019 RANDOM SITE -ACTIVE
LAKE MARION	SANTEE COOPER	SC-005	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-008	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-010	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-012	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-014	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-015	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-016	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-017	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-019	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-021	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-022	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-023	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-023A	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
LAKE MARION	SANTEE COOPER	SC-035	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-036	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-038	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-039	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-040	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-041	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-042	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-044	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-048	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-049	INACTIVE SITE
LAKE MARION	SANTEE COOPER	SC-059	INACTIVE SITE
LAKE MARION	PEE DEE	ST-024	INACTIVE SITE
LAKE MARION	SANTEE COOPER	ST-025	INACTIVE SITE
LAKE MARION	SANTEE COOPER	ST-034	BASE SITE - ACTIVE
LAKE MARION	SANTEE COOPER	ST-036	BASE SITE - ACTIVE
LAKE MONTICELLO	CENT MIDLANDS	B-327	BASE SITE - ACTIVE
LAKE MONTICELLO	CENT MIDLANDS	B-328	INACTIVE SITE
LAKE MONTICELLO	CENT MIDLANDS	RL-19170	2019 RANDOM SITE -ACTIVE
LAKE MOULTRIE	SANTEE COOPER	RL-19156	2019 RANDOM SITE -ACTIVE
LAKE MOULTRIE	MACRO CREW	RL-19168	2019 RANDOM SITE -ACTIVE
LAKE MOULTRIE	SANTEE COOPER	SC-027	INACTIVE SITE
LAKE MOULTRIE	SANTEE COOPER	SC-028	INACTIVE SITE
LAKE MOULTRIE	SANTEE COOPER	SC-030	INACTIVE SITE
LAKE MOULTRIE	SANTEE COOPER	SC-031	INACTIVE SITE
LAKE MOULTRIE	SANTEE COOPER	SC-032	INACTIVE SITE
LAKE MOULTRIE	SANTEE COOPER	SC-046	INACTIVE SITE
LAKE MOULTRIE	SANTEE COOPER	ST-037	2019 RANDOM SITE -ACTIVE
LAKE MURRAY	CENT MIDLANDS	CL-083	INACTIVE SITE
LAKE MURRAY	L. SAVANNAH	RL-19154	2019 RANDOM SITE -ACTIVE
LAKE MURRAY	CENT MIDLANDS	RL-19158	2019 RANDOM SITE -ACTIVE
LAKE MURRAY	CENT MIDLANDS	RL-19174	2019 RANDOM SITE -ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-204	INACTIVE SITE
LAKE MURRAY	CENT MIDLANDS	S-211	BASE SITE - ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-212	INACTIVE SITE
LAKE MURRAY	CENT MIDLANDS	S-213	BASE SITE - ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-222	BASE SITE - ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-223	INACTIVE SITE
LAKE MURRAY	CENT MIDLANDS	S-273	INACTIVE SITE
LAKE MURRAY	CENT MIDLANDS	S-274	INACTIVE SITE
LAKE MURRAY	CENT MIDLANDS	S-279	INACTIVE SITE
LAKE MURRAY	CENT MIDLANDS	S-280	INACTIVE SITE
LAKE MURRAY	CENT MIDLANDS	S-309	BASE SITE - ACTIVE
LAKE MURRAY	CENT MIDLANDS	S-310	BASE SITE - ACTIVE
LAKE OLIPHANT	CATAWBA	CL-021	INACTIVE SITE
LAKE OOLENOY	APPALACHIA II	S-798	INACTIVE SITE
LAKE PAUL WALLACE	CATAWBA	CL-086	INACTIVE SITE
LAKE PAUL WALLACE	ASP	PD-374	WATER OF CONCERN - ACTIVE
LAKE RABON	APPALACHIA II	S-296	INACTIVE SITE
LAKE RABON	APPALACHIA II	S-312	INACTIVE SITE
LAKE RABON	APPALACHIA II	S-313	INACTIVE SITE
LAKE SECESSION	APPALACHIA II	RL-19165	2019 RANDOM SITE -ACTIVE
LAKE SECESSION	APPALACHIA II	SV-331	BASE SITE - ACTIVE
LAKE SECESSION	APPALACHIA II	SV-332	INACTIVE SITE
LAKE SWAMP	PEE DEE	PD-085	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
LAKE SWAMP	PEE DEE	PD-086A	INACTIVE SITE
LAKE SWAMP	PEE DEE	PD-087	BASE SITE - ACTIVE
LAKE SWAMP	PEE DEE	PD-176	BASE SITE - ACTIVE
LAKE SWAMP	PEE DEE	PD-345	WATER OF CONCERN - ACTIVE
LAKE THICKETTY	CATAWBA	B-342	INACTIVE SITE
LAKE WATEREE	CENT MIDLANDS	CL-089	BASE SITE - ACTIVE
LAKE WATEREE	CENT MIDLANDS	CW-207	TEMPORARY REQUESTED SITE -ACTIVE
LAKE WATEREE	CENT MIDLANDS	CW-208	INACTIVE SITE
LAKE WATEREE	CENT MIDLANDS	CW-209	INACTIVE SITE
LAKE WATEREE	CATAWBA	CW-231	BASE SITE - ACTIVE
LAKE WATEREE	CENT MIDLANDS	RL-19166	2019 RANDOM SITE -ACTIVE
LAKE WHELCHER	CATAWBA	RL-19150	2019 RANDOM SITE -ACTIVE
LAKE WILLIAM BOWEN	APPALACHIA II	B-339	BASE SITE - ACTIVE
LAKE WILLIAM BOWEN	APPALACHIA II	B-340	INACTIVE SITE
LAKE WYLIE	CATAWBA	CW-027	INACTIVE SITE
LAKE WYLIE	CATAWBA	CW-197	BASE SITE - ACTIVE
LAKE WYLIE	CATAWBA	CW-198	INACTIVE SITE
LAKE WYLIE	CATAWBA	CW-200	INACTIVE SITE
LAKE WYLIE	CATAWBA	CW-201	BASE SITE - ACTIVE
LAKE WYLIE	CATAWBA	CW-230	TEMPORARY REQUESTED SITE -ACTIVE
LAKE WYLIE	CATAWBA	CW-245	INACTIVE SITE
LAKE WYLIE	CATAWBA	RL-19178	2019 RANDOM SITE -ACTIVE
LAKE YONAH	APPALACHIA II	RL-19251	2019 RANDOM SITE -ACTIVE
LAKE YONAH	APPALACHIA II	SV-358	INACTIVE SITE
LAKE YORK	CATAWBA	B-737	INACTIVE SITE
LAKE, KINGSTON	PEE DEE	MD-107	BASE SITE - ACTIVE
LANES CREEK	PEE DEE	RS-10349	WATER OF CONCERN - ACTIVE
LANGLEY POND	L. SAVANNAH	CL-069	BASE SITE - ACTIVE
LANGSTON CREEK	APPALACHIA II	S-264	INACTIVE SITE
LAWSON'S FORK CREEK	APPALACHIA II	B-221	INACTIVE SITE
LAWSON'S FORK CREEK	APPALACHIA II	B-277	INACTIVE SITE
LAWSON'S FORK CREEK	APPALACHIA II	B-278	INACTIVE SITE
LAWSON'S FORK CREEK	APPALACHIA II	BL-001	BASE SITE - ACTIVE
LAWSON'S FORK CREEK	APPALACHIA II	BL-005	INACTIVE SITE
LEITH CREEK	PEE DEE	PD-372	BASE SITE - ACTIVE
LEMON CREEK	L. SAVANNAH	CSTL-116	BASE SITE - ACTIVE
LEMON CREEK	MACRO CREW	CSTL-576	SEE APPENDIX F
LICK CREEK	APPALACHIA II	B-038	INACTIVE SITE
LICK CREEK	CATAWBA	PD-329	INACTIVE SITE
LICK CREEK	L. SAVANNAH	RS-09114	WATER OF CONCERN - ACTIVE
LIGHTWOOD KNOT BRANCH	CENT MIDLANDS	RS-09323	WATER OF CONCERN - ACTIVE
LIGHTWOOD KNOT CREEK	CENT MIDLANDS	E-101	INACTIVE SITE
LIGHTWOOD KNOT CREEK	MACRO CREW	E-600	SEE APPENDIX F
LIMESTONE CREEK	CATAWBA	B-128	INACTIVE SITE
LITTLE BLACK CREEK	MACRO CREW	PD-676	SEE APPENDIX F
LITTLE BUCK CREEK	APPALACHIA II	B-259	INACTIVE SITE
LITTLE BULL CREEK	L. SAVANNAH	E-076	INACTIVE SITE
LITTLE BULL SWAMP	MACRO CREW	E-589	SEE APPENDIX F
LITTLE CANE CREEK	APPALACHIA II	SV-343	INACTIVE SITE
LITTLE EASTATOE CREEK	APPALACHIA II	SV-341	INACTIVE SITE
LITTLE FORK CREEK	CATAWBA	PD-215	INACTIVE SITE
LITTLE FORK CREEK	MACRO CREW	PD-647	SEE APPENDIX F
LITTLE FORK CREEK	CATAWBA	RS-10361	WATER OF CONCERN - ACTIVE
LITTLE GENEROSTEE	MACRO CREW	SV-109	SEE APPENDIX F

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
LITTLE HORSE CREEK	L. SAVANNAH	SV-073	INACTIVE SITE
LITTLE HORSE CREEK	MACRO CREW	SV-724	SEE APPENDIX F
LITTLE LYNCHES RIVER	CATAWBA	PD-006	INACTIVE SITE
LITTLE LYNCHES RIVER	CATAWBA	PD-109	2019 RANDOM SITE -ACTIVE
LITTLE LYNCHES RIVER	CATAWBA	PD-343	INACTIVE SITE
LITTLE LYNCHES RIVER	CATAWBA	PD-344	BASE SITE - ACTIVE
LITTLE LYNCHES RIVER	MACRO CREW	PD-632	SEE APPENDIX F
LITTLE LYNCHES RIVER	MACRO CREW	PD-640	SEE APPENDIX F
LITTLE PEE DEE RIVER	PEE DEE	PD-029E	WATER OF CONCERN - ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-030A	INACTIVE SITE
LITTLE PEE DEE RIVER	PEE DEE	PD-042	INACTIVE SITE
LITTLE PEE DEE RIVER	PEE DEE	PD-052	BASE SITE - ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-055	BASE SITE - ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-069	INACTIVE SITE
LITTLE PEE DEE RIVER	PEE DEE	PD-189	INACTIVE SITE
LITTLE PEE DEE RIVER	PEE DEE	PD-348	INACTIVE SITE
LITTLE PEE DEE RIVER	PEE DEE	PD-350	BASE SITE - ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	PD-365	BASE SITE - ACTIVE
LITTLE PEE DEE RIVER	PEE DEE	RS-19475	2019 RANDOM SITE -ACTIVE
LITTLE PINE TREE CREEK	CENT MIDLANDS	CW-223	INACTIVE SITE
LITTLE RIVER	CENT MIDLANDS	B-145	INACTIVE SITE
LITTLE RIVER	CENT MIDLANDS	B-350	BASE SITE - ACTIVE
LITTLE RIVER	PEE DEE	MD-162	INACTIVE SITE
LITTLE RIVER	APPALACHIA II	S-034	INACTIVE SITE
LITTLE RIVER	CENT MIDLANDS	S-038	INACTIVE SITE
LITTLE RIVER	CENT MIDLANDS	S-099	INACTIVE SITE
LITTLE RIVER	MACRO CREW	S-100	SEE APPENDIX F
LITTLE RIVER	APPALACHIA II	S-297	INACTIVE SITE
LITTLE RIVER	CENT MIDLANDS	S-305	BASE SITE - ACTIVE
LITTLE RIVER	APPALACHIA II	SV-164	INACTIVE SITE
LITTLE RIVER	L. SAVANNAH	SV-192	BASE SITE - ACTIVE
LITTLE RIVER	APPALACHIA II	SV-203	BASE SITE - ACTIVE
LITTLE RIVER	APPALACHIA II	SV-348	WATER OF CONCERN - ACTIVE
LITTLE ROCKY CREEK	MACRO CREW	CW-067	SEE APPENDIX F
LITTLE ROCKY CREEK	CATAWBA	RS-17340	TEMPORARY REQUESTED SITE -ACTIVE
LITTLE SALKEHATCHIE RIVER	L. SAVANNAH	CSTL-115	BASE SITE - ACTIVE
LITTLE SALKEHATCHIE RIVER	L. SAVANNAH	CSTL-117	INACTIVE SITE
LITTLE SALKEHATCHIE RIVER	LOW COUNTRY	CSTL-120	BASE SITE - ACTIVE
LITTLE SALKEHATCHIE RIVER	MACRO CREW	CSTL-566	SEE APPENDIX F
LITTLE SALUDA RIVER	L. SAVANNAH	S-050	INACTIVE SITE
LITTLE SALUDA RIVER	L. SAVANNAH	S-123	BASE SITE - ACTIVE
LITTLE SUGAR CREEK	CATAWBA	CW-248	INACTIVE SITE
LITTLE WATEREE CREEK	CENT MIDLANDS	CW-040	TEMPORARY REQUESTED SITE -ACTIVE
LOG BRIDGE CREEK	TRIDENT	MD-121	INACTIVE SITE
LOG CREEK	MACRO CREW	SV-728	SEE APPENDIX F
LONG BRANCH	CATAWBA	B-326	INACTIVE SITE
LONG BRANCH	PEE DEE	RS-10397	WATER OF CONCERN - ACTIVE
LONG CANE CREEK	MACRO CREW	SV-056	SEE APPENDIX F
LONG CANE CREEK	L. SAVANNAH	SV-318	BASE SITE - ACTIVE
LONG CANE CREEK	APPALACHIA II	SV-349	WATER OF CONCERN - ACTIVE
LORICK BRANCH	CENT MIDLANDS	S-150	INACTIVE SITE
LOWER THREE RUN	L. SAVANNAH	SV-373	BASE SITE - ACTIVE
LOWER THREE RUNS CREEK	L. SAVANNAH	SV-175	INACTIVE SITE
LOWER THREE RUNS CREEK	L. SAVANNAH	SV-328	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
LUMBER RIVER	PEE DEE	PD-038	BASE SITE - ACTIVE
LYNCHES RIVER	CATAWBA	PD-001	INACTIVE SITE
LYNCHES RIVER	CATAWBA	PD-009	BASE SITE - ACTIVE
LYNCHES RIVER	PEE DEE	PD-041	INACTIVE SITE
LYNCHES RIVER	CATAWBA	PD-066	BASE SITE - ACTIVE
LYNCHES RIVER	PEE DEE	PD-071	INACTIVE SITE
LYNCHES RIVER	CATAWBA	PD-080	INACTIVE SITE
LYNCHES RIVER	PEE DEE	PD-093	BASE SITE - ACTIVE
LYNCHES RIVER	PEE DEE	PD-106	INACTIVE SITE
LYNCHES RIVER	CATAWBA	PD-113	INACTIVE SITE
LYNCHES RIVER	PEE DEE	PD-281	BASE SITE - ACTIVE
LYNCHES RIVER	PEE DEE	PD-319	INACTIVE SITE
LYNCHES RIVER	PEE DEE	PD-364	INACTIVE SITE
LYNCHES RIVER	CATAWBA	RS-15256	WATER OF CONCERN - ACTIVE
LYONS CREEK	MACRO CREW	ST-533	SEE APPENDIX F
MACK BRANCH	L. SAVANNAH	RS-01021	WATER OF CONCERN - ACTIVE
MAPLE CREEK	MACRO CREW	B-625	SEE APPENDIX F
MAPLE SWAMP	PEE DEE	PD-030	INACTIVE SITE
MATTHEWS CREEK	APPALACHIA II	S-086	INACTIVE SITE
MAY RIVER	LOW COUNTRY	MD-016	INACTIVE SITE
MAY RIVER	LOW COUNTRY	MD-173	BASE SITE - ACTIVE
MCALPINE CREEK	CATAWBA	CW-064	INACTIVE SITE
MCALPINE CREEK	CATAWBA	CW-226	INACTIVE SITE
MCLAURINS MILL POND	PEE DEE	PD-017A	INACTIVE SITE
MCTIER CREEK	MACRO CREW	E-578	SEE APPENDIX F
MEADOW CREEK	MACRO CREW	B-531	SEE APPENDIX F
MECHANICSVILLE SWAMP	PEE DEE	PD-356	INACTIVE SITE
MECHAW CREEK	TRIDENT	MD-241	INACTIVE SITE
MENG CREEK	CATAWBA	B-064	INACTIVE SITE
MENG CREEK TRIBUTARY	CATAWBA	B-243	INACTIVE SITE
MIDDLE SALUDA RIVER	MACRO CREW	S-076	SEE APPENDIX F
MIDDLE SALUDA RIVER	APPALACHIA II	S-077	INACTIVE SITE
MIDDLE SALUDA RIVER	APPALACHIA II	S-252	INACTIVE SITE
MIDDLE SALUDA RIVER	APPALACHIA II	S-316	INACTIVE SITE
MIDDLE SWAMP	PEE DEE	PD-230	INACTIVE SITE
MIDDLE TYGER RIVER	APPALACHIA II	B-012	INACTIVE SITE
MIDDLE TYGER RIVER	APPALACHIA II	B-014	BASE SITE - ACTIVE
MIDDLE TYGER RIVER	APPALACHIA II	B-148	INACTIVE SITE
MIDDLE TYGER RIVER	MACRO CREW	B-794	SEE APPENDIX F
MILL CREEK	CENT MIDLANDS	B-338	INACTIVE SITE
MILL CREEK	MACRO CREW	B-780	SEE APPENDIX F
MILL CREEK	CENT MIDLANDS	C-021	INACTIVE SITE
MILL CREEK	CENT MIDLANDS	C-022	INACTIVE SITE
MILL CREEK	APPALACHIA II	RS-11002	WATER OF CONCERN - ACTIVE
MILL CREEK	APPALACHIA II	S-315	INACTIVE SITE
MINIM CREEK	PEE DEE	RT-19209	2019 RANDOM SITE -ACTIVE
MITCHELL CREEK	CATAWBA	B-199	INACTIVE SITE
MITCHELL CREEK	MACRO CREW	B-781	SEE APPENDIX F
MOORES CREEK	MACRO CREW	S-112	SEE APPENDIX F
MORGAN RIVER	LOW COUNTRY	RO-19431	2019 RANDOM SITE -ACTIVE
MORGAN RIVR	LOW COUNTRY	MD-282	BASE SITE - ACTIVE
MORRIS BRANCH	CATAWBA	RS-13114	WATER OF CONCERN - ACTIVE
MOTLOW CREEK	MACRO CREW	B-790	SEE APPENDIX F
MOUNTAIN CREEK	APPALACHIA II	B-186	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
MOUNTAIN CREEK	MACRO CREW	BE-008	SEE APPENDIX F
MOUNTAIN CREEK	MACRO CREW	S-859	SEE APPENDIX F
MOUNTAIN CREEK	MACRO CREW	S-864	SEE APPENDIX F
MUDLICK CREEK	CENT MIDLANDS	RS-19453	2019 RANDOM SITE -ACTIVE
MUSH CREEK	APPALACHIA II	B-317	INACTIVE SITE
MYERS CREEK	MACRO CREW	C-578	SEE APPENDIX F
N BRANCH WILDCAT CREEK	CATAWBA	PD-179	INACTIVE SITE
N BRANCH WILDCAT CREEK	MACRO CREW	PD-679	SEE APPENDIX F
N FORK EDISTO RIVER	L. SAVANNAH	E-007	INACTIVE SITE
N FORK EDISTO RIVER	L. SAVANNAH	E-007A	INACTIVE SITE
N FORK EDISTO RIVER	L. SAVANNAH	E-007B	INACTIVE SITE
N FORK EDISTO RIVER	L. SAVANNAH	E-007C	2019 RANDOM SITE -ACTIVE
N FORK EDISTO RIVER	L. SAVANNAH	E-008	INACTIVE SITE
N FORK EDISTO RIVER	L. SAVANNAH	E-008A	BASE SITE - ACTIVE
N FORK EDISTO RIVER	L. SAVANNAH	E-084	INACTIVE SITE
N FORK EDISTO RIVER	L. SAVANNAH	E-092	INACTIVE SITE
N FORK EDISTO RIVER	L. SAVANNAH	E-099	INACTIVE SITE
N FORK EDISTO RIVER	L. SAVANNAH	E-102	BASE SITE - ACTIVE
N FORK EDISTO RIVER	L. SAVANNAH	E-104	BASE SITE - ACTIVE
N PACOLET RIVER	APPALACHIA II	B-126	BASE SITE - ACTIVE
N PRONG CREEK	MACRO CREW	PD-677	SEE APPENDIX F
N RABON CREEK	APPALACHIA II	S-321	INACTIVE SITE
N SALUDA RIVER	APPALACHIA II	S-004	BASE SITE - ACTIVE
N SALUDA RIVER	APPALACHIA II	S-088	INACTIVE SITE
N SALUDA RIVER	MACRO CREW	S-773	SEE APPENDIX F
N SANTEE RIVER	PEE DEE	ST-005	BASE SITE - ACTIVE
NASTY BRANCH	PEE DEE	PD-239	INACTIVE SITE
NEALS CREEK	MACRO CREW	B-778	SEE APPENDIX F
NEELYS CREEK	CATAWBA	CW-227	INACTIVE SITE
NELLS BRANCH	CATAWBA	RS-11050	WATER OF CONCERN - ACTIVE
NEW RIVER	LOW COUNTRY	MD-118	BASE SITE - ACTIVE
NEW RIVER	LOW COUNTRY	MD-258	BASE SITE - ACTIVE
NEW RIVER	LOW COUNTRY	RO-19441	2019 RANDOM SITE -ACTIVE
NEW RIVER	LOW COUNTRY	RT-19198	2019 RANDOM SITE -ACTIVE
NEW RIVER	LOW COUNTRY	RT-19214	2019 RANDOM SITE -ACTIVE
NEWMAN SWAMP	PEE DEE	PD-229	INACTIVE SITE
NINETY SIX CREEK	L. SAVANNAH	S-093	BASE SITE - ACTIVE
NINETY SIX CREEK	MACRO CREW	S-856	SEE APPENDIX F
NORRIS CREEK	APPALACHIA II	SV-301	INACTIVE SITE
NORTH CREEK	APPALACHIA II	S-135	INACTIVE SITE
NORTH EDISTO RIVER	TRIDENT	MD-211	INACTIVE SITE
NORTH EDISTO RIVER	TRIDENT	MD-262	BASE SITE - ACTIVE
NORTH FORK	APPALACHIA II	SV-206	INACTIVE SITE
NORTH PACOLET RIVER	APPALACHIA II	B-026	INACTIVE SITE
NORTH PACOLET RIVER	MACRO CREW	B-719	SEE APPENDIX F
NORTH SALUDA RESERVOIR	APPALACHIA II	S-292	INACTIVE SITE
NORTH TYGER RIVER	MACRO CREW	B-017	SEE APPENDIX F
NORTH TYGER RIVER	APPALACHIA II	B-018A	BASE SITE - ACTIVE
NORTH TYGER RIVER	APPALACHIA II	B-162	INACTIVE SITE
NORTH TYGER RIVER	APPALACHIA II	B-219	INACTIVE SITE
NORTH TYGER RIVER TRIBUTARY	APPALACHIA II	B-315	INACTIVE SITE
OBED CREEK	MACRO CREW	B-791	SEE APPENDIX F
OCONEE CREEK	MACRO CREW	SV-742	SEE APPENDIX F
OIL CAMP CREEK	APPALACHIA II	S-317	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
OLD HOUSE CREEK	LOW COUNTRY	RT-19222	2019 RANDOM SITE -ACTIVE
OOLENOY RIVER	APPALACHIA II	S-103	INACTIVE SITE
PACOLET RIVER	APPALACHIA II	B-028	INACTIVE SITE
PACOLET RIVER	CATAWBA	B-048	BASE SITE - ACTIVE
PACOLET RIVER	APPALACHIA II	B-163A	INACTIVE SITE
PACOLET RIVER	APPALACHIA II	B-331	INACTIVE SITE
PACOLET RIVER	APPALACHIA II	BP-001	INACTIVE SITE
PAGE CREEK	APPALACHIA II	B-301	INACTIVE SITE
PANTHER CREEK	PEE DEE	PD-016	INACTIVE SITE
PANTHER CREEK	PEE DEE	PD-306	INACTIVE SITE
PARR RESERVOIR	CENT MIDLANDS	B-345	BASE SITE - ACTIVE
PARR RESERVOIR	CENT MIDLANDS	B-346	INACTIVE SITE
PARR RESERVOIR	CENT MIDLANDS	RL-13081	2019 RANDOM SITE -ACTIVE
PARSONNAGE CREEK	PEE DEE	MD-277	BASE SITE - ACTIVE
PAYNE BRANCH	APPALACHIA II	RS-10394	WATER OF CONCERN - ACTIVE
PEE DEE RIVER	PEE DEE	MD-275	BASE SITE - ACTIVE
PEE DEE RIVER	PEE DEE	PD-012	BASE SITE - ACTIVE
PEE DEE RIVER	PEE DEE	PD-015	BASE SITE - ACTIVE
PEE DEE RIVER	PEE DEE	PD-028	2019 RANDOM SITE -ACTIVE
PEE DEE RIVER	PEE DEE	PD-060	WATER OF CONCERN - ACTIVE
PEE DEE RIVER	PEE DEE	PD-061	INACTIVE SITE
PEE DEE RIVER	PEE DEE	PD-076	BASE SITE - ACTIVE
PEE DEE RIVER	PEE DEE	PD-337	BASE SITE - ACTIVE
PEE DEE RIVER	PEE DEE	RS-04377	WATER OF CONCERN - ACTIVE
PEE DEE RIVER	PEE DEE	RS-06157	WATER OF CONCERN - ACTIVE
PEE DEE RIVER	PEE DEE	RS-10365	WATER OF CONCERN - ACTIVE
PEOPLES CREEK	CATAWBA	B-100	INACTIVE SITE
PEOPLES CREEK	CATAWBA	B-211	INACTIVE SITE
PIPE	PEE DEE	PD-141	INACTIVE SITE
POCOTALIGO RIVER	LOW COUNTRY	MD-007	INACTIVE SITE
POCOTALIGO RIVER	PEE DEE	PD-043	BASE SITE - ACTIVE
POCOTALIGO RIVER	PEE DEE	PD-091	BASE SITE - ACTIVE
POCOTALIGO RIVER	PEE DEE	PD-115	INACTIVE SITE
POCOTALIGO RIVER	PEE DEE	PD-202	INACTIVE SITE
POLK SWAMP	TRIDENT	E-016	INACTIVE SITE
POLK SWAMP	TRIDENT	E-109	BASE SITE - ACTIVE
PORT ROYAL SOUND	LOW COUNTRY	MD-006	INACTIVE SITE
POTATO CREEK	CENT MIDLANDS	SC-020	INACTIVE SITE
POTATO CREEK	CENT MIDLANDS	ST-035	INACTIVE SITE
POTTER BRANCH	APPALACHIA II	B-191	INACTIVE SITE
PRESTWOOD LAKE	PEE DEE	PD-081	INACTIVE SITE
PRESTWOOD LAKE	PEE DEE	PD-268	INACTIVE SITE
PRINCESS CREEK	APPALACHIA II	B-192	INACTIVE SITE
PROVIDENCE SWAMP	L. SAVANNAH	E-051	INACTIVE SITE
PUDDING SWAMP	PEE DEE	PD-203	BASE SITE - ACTIVE
RABON CREEK	APPALACHIA II	S-096	BASE SITE - ACTIVE
RAWLS CREEK	CENT MIDLANDS	S-287	TEMPORARY REQUESTED SITE -ACTIVE
RED BANK CREEK	CENT MIDLANDS	C-066	INACTIVE SITE
RED BANK CREEK	CENT MIDLANDS	C-067	INACTIVE SITE
RED BANK CREEK	MACRO CREW	C-580	SEE APPENDIX F
REDIVERSION CANAL	SANTEE COOPER	SC-037	INACTIVE SITE
REDIVERSION CANAL	TRIDENT	SC-037A	INACTIVE SITE
REDIVERSION CANAL	TRIDENT	ST-031	INACTIVE SITE
REEDER POINT BRANCH	CENT MIDLANDS	C-073	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
REEDY FORK	APPALACHIA II	RS-19446	2019 RANDOM SITE -ACTIVE
REEDY RIVER	APPALACHIA II	RS-19501	2019 RANDOM SITE -ACTIVE
REEDY RIVER	APPALACHIA II	S-013	WATER OF CONCERN - ACTIVE
REEDY RIVER	APPALACHIA II	S-018	INACTIVE SITE
REEDY RIVER	APPALACHIA II	S-021	BASE SITE - ACTIVE
REEDY RIVER	APPALACHIA II	S-070	INACTIVE SITE
REEDY RIVER	APPALACHIA II	S-072	BASE SITE - ACTIVE
REEDY RIVER	APPALACHIA II	S-073	INACTIVE SITE
REEDY RIVER	APPALACHIA II	S-319	BASE SITE - ACTIVE
REEDY RIVER	APPALACHIA II	S-323	WATER OF CONCERN - ACTIVE
REEDY RIVER	MACRO CREW	S-778	SEE APPENDIX F
REEDY RIVER	MACRO CREW	S-928	SEE APPENDIX F
REMICK SWAMP	MACRO CREW	CSTL-584	SEE APPENDIX F
RICEPATCH CREEK	MACRO CREW	CSTL-569	SEE APPENDIX F
RICES CREEK	MACRO CREW	SV-740	SEE APPENDIX F
RICHARD B. RUSSELL LAKE	APPALACHIA II	SV-098	BASE SITE - ACTIVE
RICHARD B. RUSSELL LAKE	APPALACHIA II	SV-100	INACTIVE SITE
RICHARD B. RUSSELL LAKE	APPALACHIA II	SV-357	BASE SITE - ACTIVE
ROBERTS SWAMP	L. SAVANNAH	E-039	INACTIVE SITE
ROCKY BLUFF SWAMP	PEE DEE	PD-201	BASE SITE - ACTIVE
ROCKY BLUFF SWAMP	PEE DEE	PD-357	INACTIVE SITE
ROCKY BOTTOM CREEK	MACRO CREW	SV-676	SEE APPENDIX F
ROCKY CREEK	APPALACHIA II	BE-007	INACTIVE SITE
ROCKY CREEK	CATAWBA	CW-002	INACTIVE SITE
ROCKY CREEK	CATAWBA	CW-236	BASE SITE - ACTIVE
ROCKY CREEK	CATAWBA	RS-14216	WATER OF CONCERN - ACTIVE
ROCKY CREEK	APPALACHIA II	S-091	INACTIVE SITE
ROCKY CREEK	MACRO CREW	SV-730	SEE APPENDIX F
ROCKY RIVER	APPALACHIA II	SV-031	INACTIVE SITE
ROCKY RIVER	APPALACHIA II	SV-041	INACTIVE SITE
ROCKY RIVER	APPALACHIA II	SV-346	INACTIVE SITE
ROCKY RIVER	MACRO CREW	SV-650	SEE APPENDIX F
ROSEMARY CREEK	MACRO CREW	CSTL-588	SEE APPENDIX F
ROSS BRANCH	CATAWBA	B-086	INACTIVE SITE
RUM CREEK	CATAWBA	CW-232	INACTIVE SITE
RUNOFF	SANTEE COOPER	SC-056	INACTIVE SITE
RUNOFF	SANTEE COOPER	SC-057	INACTIVE SITE
S BRANCH WILDCAT CREEK	CATAWBA	PD-180	INACTIVE SITE
S FORK EDISTO RIVER	L. SAVANNAH	E-002	INACTIVE SITE
S FORK EDISTO RIVER	L. SAVANNAH	E-011	2019 RANDOM SITE -ACTIVE
S FORK EDISTO RIVER	L. SAVANNAH	E-012	BASE SITE - ACTIVE
S FORK EDISTO RIVER	L. SAVANNAH	E-021	INACTIVE SITE
S FORK EDISTO RIVER	L. SAVANNAH	E-090	INACTIVE SITE
S FORK EDISTO RIVER	L. SAVANNAH	E-113	INACTIVE SITE
S FORK EDISTO RIVER	L. SAVANNAH	E-114	BASE SITE - ACTIVE
S FORK OF FISHING CREEK	MACRO CREW	CW-007	SEE APPENDIX F
S RABON CREEK	APPALACHIA II	S-322	INACTIVE SITE
S RABON CREEK	MACRO CREW	S-860	SEE APPENDIX F
S SALUDA RIVER	APPALACHIA II	S-087	INACTIVE SITE
S SALUDA RIVER	APPALACHIA II	S-299	BASE SITE - ACTIVE
S SALUDA RIVER	APPALACHIA II	S-318	INACTIVE SITE
S SALUDA RIVER	APPALACHIA II	S-320	INACTIVE SITE
S SALUDA RIVER	MACRO CREW	S-771	SEE APPENDIX F
S SANTEE RIVER	TRIDENT	ST-006	BASE SITE - ACTIVE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
S TYGER RIVER	APPALACHIA II	B-263	INACTIVE SITE
S TYGER RIVER	APPALACHIA II	B-332	BASE SITE - ACTIVE
S TYGER RIVER	MACRO CREW	B-741	SEE APPENDIX F
SALKEHATCHIE RIVER	L. SAVANNAH	CSTL-003	INACTIVE SITE
SALKEHATCHIE RIVER	L. SAVANNAH	CSTL-006	INACTIVE SITE
SALKEHATCHIE RIVER	L. SAVANNAH	CSTL-028	INACTIVE SITE
SALKEHATCHIE RIVER	L. SAVANNAH	CSTL-048	BASE SITE - ACTIVE
SALKEHATCHIE RIVER	LOW COUNTRY	CSTL-104	BASE SITE - ACTIVE
SALKEHATCHIE RIVER	L. SAVANNAH	RS-10410	WATER OF CONCERN - ACTIVE
SALUDA LAKE	APPALACHIA II	S-250	INACTIVE SITE
SALUDA LAKE	APPALACHIA II	S-314	INACTIVE SITE
SALUDA RIVER	APPALACHIA II	S-007	TEMPORARY REQUESTED SITE -ACTIVE
SALUDA RIVER	CENT MIDLANDS	S-047	BASE SITE - ACTIVE
SALUDA RIVER	APPALACHIA II	S-119	BASE SITE - ACTIVE
SALUDA RIVER	APPALACHIA II	S-125	BASE SITE - ACTIVE
SALUDA RIVER	CENT MIDLANDS	S-149	INACTIVE SITE
SALUDA RIVER	CENT MIDLANDS	S-152	INACTIVE SITE
SALUDA RIVER	L. SAVANNAH	S-186	INACTIVE SITE
SALUDA RIVER	L. SAVANNAH	S-295	INACTIVE SITE
SALUDA RIVER	CENT MIDLANDS	S-298	BASE SITE - ACTIVE
SALUDA RIVER TRIBUTARY	APPALACHIA II	S-161	INACTIVE SITE
SALUDA RIVER TRIBUTARY	APPALACHIA II	S-267	INACTIVE SITE
SAMPIT RIVER	PEE DEE	MD-073	INACTIVE SITE
SAMPIT RIVER	PEE DEE	MD-074	INACTIVE SITE
SAMPIT RIVER	PEE DEE	MD-075	INACTIVE SITE
SAMPIT RIVER	PEE DEE	MD-077	BASE SITE - ACTIVE
SAND RIVER	L. SAVANNAH	SV-069	INACTIVE SITE
SANDERS BRANCH	LOW COUNTRY	CSTL-010	INACTIVE SITE
SANDERS BRANCH	LOW COUNTRY	CSTL-011	INACTIVE SITE
SANDERS BRANCH	LOW COUNTRY	CSTL-108	INACTIVE SITE
SANDY RIVER	CATAWBA	B-075	BASE SITE - ACTIVE
SANDY RUN	CENT MIDLANDS	C-009	INACTIVE SITE
SANDY RUN	MACRO CREW	CSTL-585	SEE APPENDIX F
SANDY RUN	L. SAVANNAH	E-115	2019 RANDOM SITE -ACTIVE
SANTEE BAY	PEE DEE	MD-263	INACTIVE SITE
SANTEE PASS	TRIDENT	RT-19197	2019 RANDOM SITE -ACTIVE
SANTEE RIVER	CENT MIDLANDS	SC-004	TEMPORARY REQUESTED SITE -ACTIVE
SANTEE RIVER	SANTEE COOPER	SC-024	INACTIVE SITE
SANTEE RIVER	TRIDENT	ST-001	BASE SITE - ACTIVE
SANTEE RIVER	TRIDENT	ST-016	BASE SITE - ACTIVE
SAVANA BRANCH	CENT MIDLANDS	C-061	INACTIVE SITE
SAVANNAH CREEK	MACRO CREW	CSTL-053	SEE APPENDIX F
SAVANNAH RIVER	L. SAVANNAH	SV-118	INACTIVE SITE
SAVANNAH RIVER	LOW COUNTRY	SV-191	INACTIVE SITE
SAVANNAH RIVER	L. SAVANNAH	SV-251	INACTIVE SITE
SAVANNAH RIVER	L. SAVANNAH	SV-252	INACTIVE SITE
SAVANNAH RIVER	L. SAVANNAH	SV-323	INACTIVE SITE
SAVANNAH RIVER	LOW COUNTRY	SV-355	INACTIVE SITE
SAVANNAH RIVER	L. SAVANNAH	SV-366	BASE SITE - ACTIVE
SAVANNAH RIVER	L. SAVANNAH	SV-367	BASE SITE - ACTIVE
SAVANNAH RIVER	L. SAVANNAH	SV-368	2019 RANDOM SITE -ACTIVE
SAVANNAH RIVER	LOW COUNTRY	SV-369	INACTIVE SITE
SAVANNAH RIVER	LOW COUNTRY	SV-370	BASE SITE - ACTIVE
SAWMILL BRANCH	TRIDENT	CSTL-043	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
SAWNEY CREEK	APPALACHIA II	SV-052	INACTIVE SITE
SAWNEYS CREEK	CENT MIDLANDS	CW-079	INACTIVE SITE
SAWNEYS CREEK	CENT MIDLANDS	CW-228	INACTIVE SITE
SCAPE ORE SWAMP	PEE DEE	PD-355	WATER OF CONCERN - ACTIVE
SCOTT CREEK	CENT MIDLANDS	S-044	INACTIVE SITE
SECOND CREEK	MACRO CREW	C-583	SEE APPENDIX F
SEWEE BAY	TRIDENT	MD-269	BASE SITE - ACTIVE
SHAW CREEK	L. SAVANNAH	E-094	INACTIVE SITE
SHAW CREEK	L. SAVANNAH	E-106	INACTIVE SITE
SHAWS CREEK	MACRO CREW	E-579	SEE APPENDIX F
SHEM CREEK	TRIDENT	MD-071	INACTIVE SITE
SHINGLE CREEK	LOW COUNTRY	RT-19208	2019 RANDOM SITE -ACTIVE
SHIPYARD CREEK	TRIDENT	MD-243	INACTIVE SITE
SHOALS CREEK	MACRO CREW	S-866	SEE APPENDIX F
SHOE HEEL CREEK	PEE DEE	PD-371	BASE SITE - ACTIVE
SILVER CREEK	CATAWBA	RS-19500	2019 RANDOM SITE -ACTIVE
SIMMONS CREEK	APPALACHIA II	RS-09290	2019 RANDOM SITE -ACTIVE
SIMPSON CREEK	PEE DEE	PD-363	WATER OF CONCERN - ACTIVE
SINGLETON SWAMP	PEE DEE	PD-314	INACTIVE SITE
SIX & TWENTY CREEK	MACRO CREW	SV-180	SEE APPENDIX F
SIX & TWENTY CREEK	APPALACHIA II	SV-181	INACTIVE SITE
SIXMILE CREEK	CENT MIDLANDS	C-005	INACTIVE SITE
SIXMILE CREEK	CENT MIDLANDS	C-025	INACTIVE SITE
SIXMILE CREEK	CATAWBA	CW-176	INACTIVE SITE
SIXMILE CREEK	CATAWBA	RS-13168	WATER OF CONCERN - ACTIVE
SIXMILE CREEK	CATAWBA	RS-17352	TEMPORARY REQUESTED SITE -ACTIVE
SIXMILE CREEK	APPALACHIA II	SV-205	INACTIVE SITE
SKIPPER CREEK	MACRO CREW	PD-613	SEE APPENDIX F
SKULL CREEK	LOW COUNTRY	MD-013	INACTIVE SITE
SKULL CREEK	LOW COUNTRY	RO-19430	2019 RANDOM SITE -ACTIVE
SKULL CREEK	LOW COUNTRY	RT-19206	2019 RANDOM SITE -ACTIVE
SMITH BRANCH	CENT MIDLANDS	B-280	INACTIVE SITE
SMITH SWAMP	PEE DEE	PD-187	INACTIVE SITE
SMITH SWAMP	PEE DEE	PD-320	INACTIVE SITE
SNAKE BRANCH	PEE DEE	PD-137	INACTIVE SITE
SNAKE BRANCH	PEE DEE	PD-258	INACTIVE SITE
SOUTH EDISTO RIVER	LOW COUNTRY	MD-244	INACTIVE SITE
SOUTH EDISTO RIVER	LOW COUNTRY	MD-260	BASE SITE - ACTIVE
SOUTH EDISTO RIVER	LOW COUNTRY	RO-036043	2019 RANDOM SITE -ACTIVE
SOUTH EDISTO RIVER	LOW COUNTRY	RO-19432	2019 RANDOM SITE -ACTIVE
SOUTH EDISTO RIVER	LOW COUNTRY	RO-19435	2019 RANDOM SITE -ACTIVE
SOUTH FORK CROWDERS CREEK	CATAWBA	CW-192	INACTIVE SITE
SOUTH FORK CROWDERS CREEK	CATAWBA	RS-19484	2019 RANDOM SITE -ACTIVE
SOUTH FORK DUNCAN CREEK	CENT MIDLANDS	RS-06007	WATER OF CONCERN - ACTIVE
SOUTH FORK EDISTO RIVER	L. SAVANNAH	RS-19489	2019 RANDOM SITE -ACTIVE
SOUTH FORK OF FISHING CREEK	CATAWBA	RS-19476	2019 RANDOM SITE -ACTIVE
SOUTH PACOLET RIVER	APPALACHIA II	B-302	BASE SITE - ACTIVE
SOUTH PACOLET RIVER	MACRO CREW	B-720	SEE APPENDIX F
SOUTH PACOLET RIVER RESERVOIR NO 1	APPALACHIA II	B-113	INACTIVE SITE
SOUTH TYGER RIVER	APPALACHIA II	B-005	INACTIVE SITE
SOUTH TYGER RIVER	MACRO CREW	B-005A	SEE APPENDIX F
SOUTH TYGER RIVER	APPALACHIA II	B-149	INACTIVE SITE
SPARROW SWAMP	PEE DEE	PD-072	2019 RANDOM SITE -ACTIVE
SPARROW SWAMP	PEE DEE	PD-332	BASE SITE - ACTIVE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
SPEARS CREEK	CENT MIDLANDS	CW-155	WATER OF CONCERN - ACTIVE
SPEARS CREEK	CENT MIDLANDS	CW-166	WATER OF CONCERN - ACTIVE
SPIVEY CREEK	APPALACHIA II	B-103	INACTIVE SITE
SPIVEY CREEK	MACRO CREW	B-104	SEE APPENDIX F
SPRING GROVE CREEK	SANTEE COOPER	SC-009	INACTIVE SITE
SPRING GROVE CREEK	MACRO CREW	ST-535	SEE APPENDIX F
STEEL CREEK	MACRO CREW	CW-681	SEE APPENDIX F
STEEL CREEK	L. SAVANNAH	SV-327	2019 RANDOM SITE -ACTIVE
STEELE CREEK	CATAWBA	CW-009	INACTIVE SITE
STEELE CREEK	CATAWBA	CW-011	INACTIVE SITE
STEELE CREEK	CATAWBA	CW-203	INACTIVE SITE
STEVENS CREEK	MACRO CREW	SV-063	SEE APPENDIX F
STEVENS CREEK	L. SAVANNAH	SV-330	INACTIVE SITE
STEVENS CREEK	L. SAVANNAH	SV-354	BASE SITE - ACTIVE
STEVENS CREEK	L. SAVANNAH	SV-365	BASE SITE - ACTIVE
STEVENS CREEK RESERVOIR	L. SAVANNAH	SV-294	INACTIVE SITE
STEVENS CREEK RESERVOIR	L. SAVANNAH	SV-372	BASE SITE - ACTIVE
STONEY FORK CREEK	MACRO CREW	CW-697	SEE APPENDIX F
STONO RIVER	TRIDENT	MD-026	INACTIVE SITE
STONO RIVER	TRIDENT	MD-202	BASE SITE - ACTIVE
STONO RIVER	TRIDENT	MD-206	BASE SITE - ACTIVE
STONO RIVER	TRIDENT	MD-208	INACTIVE SITE
STONO RIVER	TRIDENT	RO-19428	2019 RANDOM SITE -ACTIVE
SUCK CREEK	MACRO CREW	B-296	SEE APPENDIX F
SUGAR CREEK	CATAWBA	B-779	2019 RANDOM SITE -ACTIVE
SUGAR CREEK	CATAWBA	CW-013	INACTIVE SITE
SUGAR CREEK	CATAWBA	CW-036	BASE SITE - ACTIVE
SUGAR CREEK	CATAWBA	CW-246	INACTIVE SITE
SUGAR CREEK	CATAWBA	CW-247	INACTIVE SITE
SUGAR CREEK	CATAWBA	RS-13146	WATER OF CONCERN - ACTIVE
SWIFT CREEK	CENT MIDLANDS	CW-082	WATER OF CONCERN - ACTIVE
SWIFT CREEK	CENT MIDLANDS	CW-238	INACTIVE SITE
TABLE ROCK RESERVOIR	APPALACHIA II	S-291	INACTIVE SITE
TAIL RACE CANAL BELOW LAKE MOULTRIE	SANTEE COOPER	CSTL-062	BASE SITE - ACTIVE
TAIL RACE CANAL BELOW LAKE MOULTRIE	SANTEE COOPER	SC-033	INACTIVE SITE
TAVERN CREEK	MACRO CREW	ST-527	SEE APPENDIX F
TAWCAW CREEK	CENT MIDLANDS	SC-018	INACTIVE SITE
TAWCAW CREEK	CENT MIDLANDS	ST-018	INACTIVE SITE
TAYLORS CREEK	MACRO CREW	CW-695	SEE APPENDIX F
THE COVE	TRIDENT	MD-070	INACTIVE SITE
THICKETTY CREEK	CATAWBA	B-062	BASE SITE - ACTIVE
THICKETTY CREEK	CATAWBA	B-095	INACTIVE SITE
THICKETTY CREEK	CATAWBA	B-133	INACTIVE SITE
THOMPSON CREEK	CATAWBA	PD-152	INACTIVE SITE
THOMPSON CREEK	CATAWBA	PD-246	INACTIVE SITE
THOMPSON CREEK	CATAWBA	PD-247	INACTIVE SITE
THOMPSON CREEK	CATAWBA	PD-338	BASE SITE - ACTIVE
THOMPSON CREEK	MACRO CREW	PD-673	SEE APPENDIX F
THORNTREE CREEK	MACRO CREW	CW-075	SEE APPENDIX F
THREE & TWENTY CREEK	APPALACHIA II	SV-111	BASE SITE - ACTIVE
THREE & TWENTY CREEK	MACRO CREW	SV-735	SEE APPENDIX F
THREE CREEKS	PEE DEE	PD-341	INACTIVE SITE
THREE CREEKS	PEE DEE	PD-367	INACTIVE SITE
TIMS BRANCH	L. SAVANNAH	SV-324	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
TINKER CREEK	CATAWBA	B-286	INACTIVE SITE
TINKER CREEK	CATAWBA	B-287	INACTIVE SITE
TINKER CREEK	CATAWBA	B-336	INACTIVE SITE
TINKERS CREEK	CATAWBA	CW-234	INACTIVE SITE
TOBY CREEK	MACRO CREW	CSTL-577	SEE APPENDIX F
TODDS BRANCH	CATAWBA	PD-005	INACTIVE SITE
TOMS CREEK	CENT MIDLANDS	C-072	BASE SITE - ACTIVE
TOMS CREEK	MACRO CREW	C-579	SEE APPENDIX F
TOOLS FORK	CATAWBA	CW-212	INACTIVE SITE
TOSCHS CREEK	CATAWBA	B-067A	INACTIVE SITE
TOSCHS CREEK	CATAWBA	B-067B	INACTIVE SITE
TOWN CREEK, COOPER RIVER	TRIDENT	MD-047	INACTIVE SITE
TOXAWAY CREEK	MACRO CREW	SV-225	SEE APPENDIX F
TRIB TO BROAD MOUTH CREEK	MACRO CREW	S-776	SEE APPENDIX F
TRIB TO CHOESTOE CREEK	MACRO CREW	SV-790	SEE APPENDIX F
TUGALOO LAKE	APPALACHIA II	RL-19255	2019 RANDOM SITE -ACTIVE
TUGALOO LAKE	APPALACHIA II	SV-359	INACTIVE SITE
TURKEY CREEK	CATAWBA	B-136	BASE SITE - ACTIVE
TURKEY CREEK	L. SAVANNAH	CSTL-001B	INACTIVE SITE
TURKEY CREEK	MACRO CREW	CSTL-056	SEE APPENDIX F
TURKEY CREEK	PEE DEE	MD-076N	INACTIVE SITE
TURKEY CREEK	PEE DEE	PD-040	INACTIVE SITE
TURKEY CREEK	PEE DEE	PD-098	INACTIVE SITE
TURKEY CREEK	MACRO CREW	S-858	SEE APPENDIX F
TURKEY CREEK	L. SAVANNAH	SV-352	BASE SITE - ACTIVE
TURKEY CREEK	MACRO CREW	SV-729	SEE APPENDIX F
TWELVE MILE CREEK	APPALACHIA II	SV-015	INACTIVE SITE
TWELVE MILE CREEK	APPALACHIA II	SV-137	BASE SITE - ACTIVE
TWELVE MILE CREEK	APPALACHIA II	SV-282	INACTIVE SITE
TWELVE MILE CREEK	APPALACHIA II	SV-362	WATER OF CONCERN - ACTIVE
TWELVE MILE CREEK	MACRO CREW	SV-739	SEE APPENDIX F
TWELVEMILE CREEK	CATAWBA	CW-083	BASE SITE - ACTIVE
TWELVEMILE CREEK	APPALACHIA II	RS-11009	WATER OF CONCERN - ACTIVE
TWELVEMILE CREEK	CENT MIDLANDS	S-294	INACTIVE SITE
TWENTYFIVE MILE CREEK	CENT MIDLANDS	CW-080	INACTIVE SITE
TYGER RIVER	APPALACHIA II	B-008	INACTIVE SITE
TYGER RIVER	CATAWBA	B-051	INACTIVE SITE
TYGER RIVER	CENT MIDLANDS	B-349	BASE SITE - ACTIVE
TYGER RIVER	APPALACHIA II	RS-11034	WATER OF CONCERN - ACTIVE
UNNAMED	APPALACHIA II	SV-136	INACTIVE SITE
UNNAMED CREEK	LOW COUNTRY	MD-256	BASE SITE - ACTIVE
UNNAMED CREEK IN CHISOLM ISLANDS	LOW COUNTRY	RT-19203	2019 RANDOM SITE -ACTIVE
UNNAMED DRAINAGE CANAL	PEE DEE	PD-354	INACTIVE SITE
UNNAMED TRIB TO LITTLE HORSE CREEK	L. SAVANNAH	RS-19465	2019 RANDOM SITE -ACTIVE
UNNAMED TRIBUTARY TO ADAMS CREEK	TRIDENT	RT-19204	2019 RANDOM SITE -ACTIVE
UNNAMED TRIBUTARY TO GOLDEN CREEK	APPALACHIA II	RS-19473	2019 RANDOM SITE -ACTIVE
UNNAMED TRIBUTARY TO HARBOR RIVER	TRIDENT	RT-19201	2019 RANDOM SITE -ACTIVE
UNNAMED TRIBUTARY TO NEW CHEHAW RIVER	LOW COUNTRY	RT-19215	2019 RANDOM SITE -ACTIVE
UNNAMED TRIBUTARY	CENT MIDLANDS	CW-242	INACTIVE SITE
UNNAMED TRIBUTARY	L. SAVANNAH	RS-10334	WATER OF CONCERN - ACTIVE
UNNAMED TRIBUTARY	APPALACHIA II	RS-10380	WATER OF CONCERN - ACTIVE
UNNAMED TRIBUTARY	SANTEE COOPER	SC-026	INACTIVE SITE
UNNAMED TRIBUTARY	SANTEE COOPER	SC-043	INACTIVE SITE
UNNAMED TRIBUTARY	SANTEE COOPER	SC-058	INACTIVE SITE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
UNNAMED TRIBUTARY	LOW COUNTRY	RS-10356	WATER OF CONCERN - ACTIVE
UNNAMED TRIBUTARY TO PEE DEE	PEE DEE	RS-11039	WATER OF CONCERN - ACTIVE
UNNAMED TRIBUTARY TO SAVANNAH RIVER	L. SAVANNAH	RS-04544	WATER OF CONCERN - ACTIVE
UPPER THREE RUNS	L. SAVANNAH	SV-325	BASE SITE - ACTIVE
UPPER THREE RUNS	MACRO CREW	SV-680	SEE APPENDIX F
VALL BRANCH	L. SAVANNAH	RS-09286	WATER OF CONCERN - ACTIVE
VAUCLUSE POND	L. SAVANNAH	CL-067	INACTIVE SITE
VAUGHN CREEK	MACRO CREW	B-099-7	SEE APPENDIX F
VAUGHN CREEK	APPALACHIA II	RS-19450	2019 RANDOM SITE -ACTIVE
WACCAMAW RIVER	PEE DEE	MD-110	INACTIVE SITE
WACCAMAW RIVER	PEE DEE	MD-111	INACTIVE SITE
WACCAMAW RIVER	PEE DEE	MD-124	WATER OF CONCERN - ACTIVE
WACCAMAW RIVER	PEE DEE	MD-136	INACTIVE SITE
WACCAMAW RIVER	PEE DEE	MD-137	INACTIVE SITE
WACCAMAW RIVER	PEE DEE	MD-138	BASE SITE - ACTIVE
WACCAMAW RIVER	PEE DEE	MD-142	BASE SITE - ACTIVE
WACCAMAW RIVER	PEE DEE	MD-145	BASE SITE - ACTIVE
WACCAMAW RIVER	PEE DEE	PD-369	INACTIVE SITE
WACCAMAW RIVER	PEE DEE	PD-373	BASE SITE - ACTIVE
WACCAMAW RIVER, ICWW	PEE DEE	MD-146	INACTIVE SITE
WADBOO SWAMP	TRIDENT	CSTL-113	BASE SITE - ACTIVE
WADMALAW RIVER	TRIDENT	RO-19440	2019 RANDOM SITE -ACTIVE
WALKER SWAMP	TRIDENT	ST-007	INACTIVE SITE
WALNUT CREEK	MACRO CREW	S-861	SEE APPENDIX F
WAMBAW CREEK	TRIDENT	CSTL-112	INACTIVE SITE
WANDO RIVER	TRIDENT	MD-115	BASE SITE - ACTIVE
WANDO RIVER	TRIDENT	MD-198	INACTIVE SITE
WANDO RIVER	TRIDENT	MD-264	BASE SITE - ACTIVE
WANDO RIVER	TRIDENT	RO-19436	2019 RANDOM SITE -ACTIVE
WAPPOO CREEK	TRIDENT	MD-020	INACTIVE SITE
WAPPOO CREEK	TRIDENT	RT-19200	2019 RANDOM SITE -ACTIVE
WARLEY CR	SANTEE COOPER	SC-006	INACTIVE SITE
WARLEY CREEK	MACRO CREW	C-014	SEE APPENDIX F
WARRIOR CREEK	APPALACHIA II	B-150	INACTIVE SITE
WARRIOR CREEK	MACRO CREW	B-742	SEE APPENDIX F
WASSAMASSAW SWAMP	TRIDENT	CSTL-063	INACTIVE SITE
WATEREE CREEK	MACRO CREW	B-801	SEE APPENDIX F
WATEREE RIVER	CENT MIDLANDS	CW-019	BASE SITE - ACTIVE
WATEREE RIVER	CENT MIDLANDS	CW-206	BASE SITE - ACTIVE
WATEREE RIVER	CATAWBA	CW-214	INACTIVE SITE
WATEREE RIVER	CENT MIDLANDS	CW-222	BASE SITE - ACTIVE
WATEREE RIVER	CENT MIDLANDS	SC-002	INACTIVE SITE
WAXHAW CREEK	CATAWBA	CW-145	INACTIVE SITE
WEIR CREEK	CENT MIDLANDS	RS-10339	WATER OF CONCERN - ACTIVE
WESTFIELD CREEK	CATAWBA	PD-339	INACTIVE SITE
WESTFIELD CREEK	MACRO CREW	PD-641	SEE APPENDIX F
WHALE BRANCH	TRIDENT	MD-010	INACTIVE SITE
WHALE BRANCH	LOW COUNTRY	MD-194	INACTIVE SITE
WHALE BRANCH	LOW COUNTRY	MD-279	INACTIVE SITE
WHIPPY SWAMP	LOW COUNTRY	CSTL-076	2019 RANDOM SITE -ACTIVE
WHITE OAK CREEK	MACRO CREW	CW-693	SEE APPENDIX F
WHITE OAK CREEK	PEE DEE	PD-037	WATER OF CONCERN - ACTIVE
WHITES CREEK	PEE DEE	MD-149	INACTIVE SITE
WHITES CREEK	CATAWBA	PD-191	WATER OF CONCERN - ACTIVE

MONITORING SITES BY WATERBODY NAME

WATERBODY	DISTRICT	STATION	STREAM TYPE
WILDCAT CREEK	CATAWBA	CW-006	INACTIVE SITE
WILDCAT CREEK	CATAWBA	CW-096	INACTIVE SITE
WILDCAT CREEK	MACRO CREW	SV-683	SEE APPENDIX F
WILLOW CREEK	MACRO CREW	CSTL-570	SEE APPENDIX F
WILLOW CREEK	PEE DEE	PD-167	INACTIVE SITE
WILLOW SWAMP	L. SAVANNAH	CSTL-118	INACTIVE SITE
WILSON CREEK	APPALACHIA II	RS-11053	WATER OF CONCERN - ACTIVE
WILSON CREEK	L. SAVANNAH	S-233	INACTIVE SITE
WILSON CREEK	L. SAVANNAH	S-235	INACTIVE SITE
WILSON CREEK	MACRO CREW	SV-185	SEE APPENDIX F
WILSON CREEK	APPALACHIA II	SV-347	INACTIVE SITE
WINDSOR LAKE	CENT MIDLANDS	C-048	INACTIVE SITE
WINDY HILL CREEK	MACRO CREW	E-029	SEE APPENDIX F
WINNSBORO BRANCH	CENT MIDLANDS	B-077	INACTIVE SITE
WINNSBORO BRANCH	CENT MIDLANDS	B-123	INACTIVE SITE
WINYAH BAY	PEE DEE	MD-080	INACTIVE SITE
WINYAH BAY	PEE DEE	MD-278	BASE SITE - ACTIVE
WINYAH BAY	PEE DEE	RO-19427	2019 RANDOM SITE -ACTIVE
WINYAH BAY	PEE DEE	RO-19439	2019 RANDOM SITE -ACTIVE
WOODSIDE BRANCH	APPALACHIA II	SV-241	INACTIVE SITE
WRIGHT RIVER	LOW COUNTRY	MD-259	BASE SITE - ACTIVE
YARROW BRANCH	MACRO CREW	E-595	SEE APPENDIX F
YONGES ISLAND CREEK	TRIDENT	MD-261	BASE SITE - ACTIVE
ZEKIAL CREEK	CATAWBA	RS-14182	WATER OF CONCERN - ACTIVE

**C. Ambient Surface Water Quality Monitoring Sites Listed by Regions Showing
Individual Parameter Coverage**

Key to Abbreviations

Column Headings

STATION NUMBER = Station Identification Number
TEMP = Water Temperature
DO = Dissolved Oxygen
pH = pH
PROFILE MAY-OCT = Profile field parameters, months of May through October
TIDE STAGE = Tide Stage
COND = Specific Conductance (Conductivity)
SALT = Salinity
TURB = Turbidity
ALKL = Alkalinity
BOD₅ = Five-Day Biochemical Oxygen Demand
NH₃ NH₄ = Ammonia Nitrogen
NO₂ NO₃ = Nitrite & Nitrate Nitrogen
TKN = Total Kjeldahl Nitrogen
TP = Total Phosphorus as Phosphate
E. COLI = *Escherichia coli* Bacteria
ENTERO = Enterococcus Bacteria
TSS = Total Suspended Solids
HARD = Hardness
METALS = Select Heavy Metals (see Appendix D for list)
LEAD ONLY = Sample only analyzed for lead, no other metals
MERC = Mercury
CHL-A = Chlorophyll-a, months of May through October
SECH = Transparency (Secchi depth)

Sampling Frequency (See Section 2.1 Ambient Surface Water Physical & Chemical Monitoring for further details)

M = Monthly (for Chlorophyll-a and field parameter profiles, months of May through October only)
Q = Quarterly
A = Annually

SAMPLE STATIONS FOR CALENDAR YEAR 2019: APPALACHIA II

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
B-014	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
B-018A	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
B-037																	Q	Q		Q			
B-040	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
B-126	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
B-302	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
B-332	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
B-339	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
BL-001	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
CL-019	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19155	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19159	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19165	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19167	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19177	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19179	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19251	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19253	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19255	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19257	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RS-09284																	Q	Q		Q			
RS-09290	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RS-09304																	Q	Q		Q			
RS-09316																	Q	Q		Q			
RS-10348																	Q	Q		Q			
RS-10375																	Q	Q		Q			
RS-10380																	Q	Q		Q			
RS-10394																	Q	Q		Q			
RS-10402																	Q	Q		Q			
RS-10403																	Q	Q		Q			
RS-11002																	Q	Q		Q			
RS-11009																	Q	Q		Q			
RS-11018																	Q	Q		Q			
RS-11034																	Q	Q		Q			
RS-11045																	Q	Q		Q			
RS-11053																	Q	Q		Q			
RS-19446	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RS-19450	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RS-19458	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RS-19461	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: APPALACHIA II

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
RS-19473	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
RS-19477	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
RS-19501	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-004	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-007	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-013																	Q	Q		Q			
S-021	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-022	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
S-024	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
S-072	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-096	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-119	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-125	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-131	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
S-178																	Q	Q		Q			
S-299	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-304																	Q	Q		Q			
S-308	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
S-311	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
S-319	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-323																	Q	Q		Q			
S-325	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-004	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-098	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-111	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-137	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-199	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-200	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-203	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-230																	Q	Q		Q			
SV-233	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-236	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-268	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-331	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-335	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-336	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-338	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-339	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-340	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
SV-344	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: APPALACHIA II

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
SV-348																	Q	Q		Q			
SV-349																	Q	Q		Q			
SV-357	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
SV-361	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q		Q	M	M
SV-362																	Q	Q		Q			
SV-363	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q		Q	M	M
SV-374	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M

SAMPLE STATIONS FOR CALENDAR YEAR 2019: CATAWBA

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
B-042	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-044	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-046	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-048	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-057	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-062	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-075	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-136	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-159	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-333	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-779	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
BF-008	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-014	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-016	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-016F	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-017	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-023	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-029	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-033	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-036	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-041	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-057	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-083	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-174	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-197	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-201	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-230	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-231	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-233	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-236	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-249	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
PD-009	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
PD-063																	Q	Q		Q			
PD-066	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
PD-109	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
PD-191																	Q	Q		Q			
PD-251	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
PD-327	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
PD-338	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
PD-344	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: CATAWBA

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
RL-19149	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19150	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19178	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19254	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19256	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19258	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RS-10331																	Q	Q		Q			
RS-10336																	Q	Q		Q			
RS-10361																	Q	Q		Q			
RS-10377																	Q	Q		Q			
RS-11004																	Q	Q		Q			
RS-11050																	Q	Q		Q			
RS-11056																	Q	Q		Q			
RS-13114																	Q	Q		Q			
RS-13136																	Q	Q		Q			
RS-13144																	Q	Q		Q			
RS-13146																	Q	Q		Q			
RS-13152																	Q	Q		Q			
RS-13162																	Q	Q		Q			
RS-13168																	Q	Q		Q			
RS-14182																	Q	Q		Q			
RS-14200																	Q	Q		Q			
RS-14210																	Q	Q		Q			
RS-14216																	Q	Q		Q			
RS-15256																	Q	Q		Q			
RS-15284																	Q	Q		Q			
RS-16312																	Q	Q		Q			
RS-17340	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RS-17352	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RS-19476	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RS-19484	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RS-19500	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: CENTRAL MIDLANDS

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
B-047	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-053	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-054	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-072	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-080	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-320	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-327	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
B-337	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-345	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
B-349	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-350	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
B-352	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
C-007	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
C-017	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
C-070	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
C-072	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
C-074	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
C-075	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CL-089	M	M	M	M				M	M	M	M	M	M	M				Q	Q		Q	M	M
CSB-001L	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSB-001R	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-019	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-021																	Q	Q		Q			
CW-040	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-072	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-082																	Q	Q		Q			
CW-154																	Q	Q		Q			
CW-155																	Q	Q		Q			
CW-166																	Q	Q		Q			
CW-206	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-207	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
CW-222	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-237																	Q	Q		Q			
CW-250																	Q	Q		Q			
CW-251	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CW-252	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
RL-13081	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
RL-19158	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
RL-19166	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
RL-19170	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M

SAMPLE STATIONS FOR CALENDAR YEAR 2019: CENTRAL MIDLANDS

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH	
RL-19174	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q		Q	M	M
RS-06007																	Q	Q		Q				
RS-09312																	Q	Q		Q				
RS-09323																	Q	Q		Q				
RS-10339																	Q	Q		Q				
RS-10387																	Q	Q		Q				
RS-10408																	Q	Q		Q				
RS-11041																	Q	Q		Q				
RS-19453	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			
RS-19464	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			
RS-19488	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			
S-047	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			
S-102	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			
S-211	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M	
S-213	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M	
S-222	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M	
S-287	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			
S-290																	Q	Q		Q				
S-298	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			
S-305	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			
S-309	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q		Q	M	M	
S-310	M	M	M	M				M	M	M	M	M	M	M	M			Q	Q		Q	M	M	
SC-004	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q			

SAMPLE STATIONS FOR CALENDAR YEAR 2019: LOW COUNTRY

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
CSTL-071	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSTL-076	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSTL-104	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSTL-107	M	M	M		M	M	M	M	M	M	M	M	M	M		M		Q	Q			Q	
CSTL-120	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSTL-121	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSTL-122	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSTL-125	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
MD-001	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-004	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-116	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-117	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-118	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-119	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
MD-120	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-129	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-173	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-174	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-176	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-252	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-253	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-256	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-257	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-258	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-259	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-260	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-281	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-282	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
RO-036043	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19429	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19430	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19431	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19432	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19433	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19434	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19435	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19437	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19441	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RS-10356																	Q	Q		Q			
RT-19198	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	

SAMPLE STATIONS FOR CALENDAR YEAR 2019: LOW COUNTRY

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
RT-19203	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19206	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19207	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19208	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19214	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19215	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19219	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19222	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
SV-370	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: LOWER SAVANNAH

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
C-015	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CL-041	M	M	M	M				M	M	M	M	M	M	M				Q	Q			M	M
CL-069	M	M	M					M	M	M	M	M	M	M				Q	Q			M	M
CSTL-048	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSTL-115	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
CSTL-116	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-007C	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-008A	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-011	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-012	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-042																	Q	Q		Q			
E-050	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-059	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-102	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-103	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-104	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-105																	Q	Q		Q			
E-111	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-114	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
E-115	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
RL-19154	M	M	M					M	M	M	M	M	M	M				Q	Q		Q	M	M
RS-01021																	Q	Q		Q			
RS-04544																	Q	Q		Q			
RS-09114																	Q	Q		Q			
RS-09286																	Q	Q		Q			
RS-09322																	Q	Q		Q			
RS-10334																	Q	Q		Q			
RS-10341																	Q	Q		Q			
RS-10410																	Q	Q		Q			
RS-11005																	Q	Q		Q			
RS-11054																	Q	Q		Q			
RS-19454	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
RS-19465	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
RS-19489	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-093	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-123	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
S-324	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-072																	Q	Q		Q			
SV-192	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
SV-250	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: LOWER SAVANNAH

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
SV-318	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-325	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-327	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-350	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-352	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-354	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-365	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-366	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-367	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-368	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-371	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
SV-372	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
SV-373	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: PEE DEE

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
CW-243																	Q	Q		Q			
MD-077	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-085	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
MD-107	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
MD-124																	Q	Q		Q			
MD-125	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q		Q		
MD-127	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
MD-138	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
MD-142	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-145	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
MD-275	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-277	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-278	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
PD-012	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-015	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-024A																	Q	Q		Q			
PD-027																	Q	Q		Q			
PD-028	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-029E																	Q	Q		Q			
PD-037																	Q	Q		Q			
PD-038	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-043	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-052	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-055	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-060																	Q	Q		Q			
PD-072	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-076	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-078	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-087	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-091	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-093	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-097	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-169																	Q	Q		Q			
PD-170																	Q	Q		Q			
PD-176	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-201	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-203	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-227	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-231	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-281	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: PEE DEE

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
PD-325	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
PD-332	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-337	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-345																	Q	Q		Q			
PD-349	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-350	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-352	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-353	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-355																	Q	Q		Q			
PD-359	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-361	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-363																	Q	Q		Q			
PD-365	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-370	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-371	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-372	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
PD-373	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RO-19427	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19439	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RS-04377																	Q	Q		Q			
RS-06157																	Q	Q		Q			
RS-10349																	Q	Q		Q			
RS-10365																	Q	Q		Q			
RS-10381																	Q	Q		Q			
RS-10389																	Q	Q		Q			
RS-10397																	Q	Q		Q			
RS-11039																	Q	Q		Q			
RS-19475	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RT-19193	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19209	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
ST-005	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: SANTEE COOPER

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
CL-042	M	M	M					M	M	M	M	M	M	M	M			Q	Q	Q	Q	M	M
CSTL-062	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q	Q			
RL-19156	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19164	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19168	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RL-19176	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
ST-034	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
ST-036	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
ST-037	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M

SAMPLE STATIONS FOR CALENDAR YEAR 2019: TRIDENT

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
CSTL-102	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q		Q		
CSTL-113	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
CSTL-123	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
E-014																	Q	Q		Q			
E-015A	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
E-016																							
E-032	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
E-086	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
E-109	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
E-116	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
MD-043	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-045	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-049	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-052	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-069	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-115	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-130	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-202	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-203																							
MD-206	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-209	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-248	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-250																							
MD-261	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-262	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-264	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-266	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-267	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-269	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-271	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
MD-273	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q		
RL-19259	M	M	M					M	M	M	M	M	M	M	M			Q	Q		Q	M	M
RO-19428	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19436	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RO-19440	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RS-10373																	Q	Q		Q			
RS-19463	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		
RT-19197	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19200	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
RT-19201	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	

SAMPLE STATIONS FOR CALENDAR YEAR 2019: TRIDENT

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
RT-19204	M	M	M	M	M	M	M	M	M	M	M	M	M	M		M			Q		Q	M	
ST-001	M	M	M					M	M	M	M	M	M	M			Q	Q	Q		Q		
ST-006	M	M	M		M	M	M	M	M	M	M	M	M	M	M	M		Q	Q		Q		
ST-016	M	M	M					M	M	M	M	M	M	M	M		Q	Q	Q		Q		

SAMPLE STATIONS FOR CALENDAR YEAR 2019: AQUATIC SCIENCE PROGRAMS

STATION NUMBER	TEMP	DO	PH	PROFILE	TIDE STAGE	COND	SALINITY	TURB	ALKL	BOD5	NH3 NH4	NO2 NO3	TKN	TP	E. COLI	ENTRO	TSS	HARD	METALS	LEAD ONLY	MERC	CHL-A	SECH
CSTL-075																	Q	Q		Q			
CSTL-124																	Q	Q		Q			
PD-374																	Q	Q		Q			

D. Parameters Sampled at Ambient Surface Water Quality Monitoring Sites

PARAMETERS ANALYZED IN WATER

TEST DESCRIPTION	STORET CODE
<u>Field Parameters</u>	
Monthly - all sites	
Dissolved Oxygen mg/L*	00300
pH SU*	00400
Water Temperature °C*	00010
Air Temperature °C	00020
Monthly – all saltwater sites	
Specific Conductance umhos/cm*	00402
Salinity ppt*	00480
* Profiled at 1 meter intervals from surface to bottom at selected lake sites and top, bottom, and mid-depth at selected estuarine sites	
<u>Physical Parameters</u>	
Monthly - all sites	
Turbidity NTU	00076
Depth of Sample Collection m	82048
Monthly - selected sites	
Flow or Stage	00067 or 00061
Total Suspended Solids mg/L	00530
Transparency	00078
<u>Biological Parameters</u>	
Monthly - all freshwater sites	
<i>Escherichia coli</i> Bacteria MPN/100 mL (Quanti-Tray Method)	31633
Monthly – all saltwater sites	
Enterococci Bacteria (Q-tray) #/100 mL	50589
Monthly, May through October - selected lake and estuarine sites	
Chlorophyll-a ug/l (Corrected)	32209

PARAMETERS ANALYZED IN WATER (cont.)

TEST DESCRIPTION	STORET CODE
<u>Chemical Parameters</u>	
Monthly - all sites	
Five-Day Biochemical Oxygen Demand mg/L	00310
Nitrate/Nitrite Nitrogen mg/L	00630
Total Phosphorus mg/L	00665
Alkalinity mg/L	00410
Ammonia Nitrogen mg/L	00610
Total Kjeldahl Nitrogen mg/L	00625
Quarterly - all sites	
Metals Routine for Stream Waters	
(1) Cadmium in Water ug/L	01027
(2) Chromium in Water ug/L	01034
(3) Copper in Water ug/L	01042
(4) Iron in Water ug/L	01045
(5) Lead in Water ug/L	01051
(6) Manganese in Water ug/L	01055
(7) Mercury in Water ug/L	71900
(8) Nickel in Water ug/L	01067
(9) Zinc in Water ug/L	01092
Quarterly - all non-marine sites, to coincide with the quarterly metals samples	
Hardness, calculated mg/L	00900

E. Ocean Water Monitoring Site Descriptions Listed by Regional Office

*Bathing Beaches and Public Access Points
Rank, Sample Locations, and Positional Data*

Tier 1 Beaches

City of North Myrtle Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-001	59th Ave N	-78.601819	33.8395118
WAC-002	45th Ave N	-78.6233836	33.8336687
WAC-003	30th Ave N	-78.6372373	33.8288522
WAC-004	16th Ave N	-78.6533888	33.8241275
WAC-005	3rd Ave N	-78.6681812	33.8188902
WAC-005A	7th Ave S	-78.6681812	33.8139202
WAC-006	9th Ave S	-78.6841137	33.8131406
WAC-007	17th Ave S	-78.7000859	33.8065623
WAC-008	33rd Ave S	-78.7176586	33.7985193
WAC-009	47th Ave S	-78.7316984	33.7916396

Town of Atlantic Beach

Atlantic Beach is 0.27 miles long, there are no sampling sites on this beach, but it is considered monitored due to sites located directly above and below it.

Town of Briarcliffe Acres

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-009A	White Point Swash	-78.7399968	33.7867313
WAC-010	Briarcliff cabana	-78.741883	33.786364

Arcadia Beach – Horry County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-011	2 miles north of Hilton Grand	-78.7456588	33.7844389
WAC-012	Lands End Resort	-78.7644272	33.7738569
WAC-013	Wyndham Hotel	-78.7751472	33.767933
WAC-014	Sands Ocean Club	-78.7884552	33.7593629
WAC-015	Singleton Swash	-72.794968	33.755458

City of Myrtle Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-015A	Bear Branch Swash	-78.8034271	33.7498004
WAC-016	77th Ave N	-78.8128891	33.7432032
WAC-016A	Cane Patch Swash	-78.8222535	33.7369623
WAC-017	64th Ave N	-78.8259239	33.7342228
WAC-017A	Deep Head Swash	-78.8380851	33.72498
WAC-018	50th Ave N	-78.8426859	33.7217018
WAC-019	34th Ave N	-78.8571075	33.710391
WAC-020	24th Ave N	-78.8662608	33.7028987
WAC-021	8th Ave N	-78.8800091	33.6904148
WAC-022A	Withers Swash	-78.8907427	33.6800915
WAC-023	15 th Ave S	-78.8997777	33.672911
WAC-024	23rd Ave S	-78.9078527	33.6664849
WAC-025A	Midway Swash	-78.9170543	33.6581395

Springmaid Beach – Horry County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-026	Nash Dr	-78.9210152	33.6548022

South Carolina State Park and Campgrounds – Horry County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-027	Myrtle Beach State Park	-78.932237	33.6453918
WAC-028	Beaver Dam Creek	-72.944889	33.633105
WAC-029	North end Ocean Lakes Campground	-78.9522428	33.6256796
WAC-029A	South end Ocean Lakes Campground	-72.9584233	33.6190057

Town of Surfside Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-030	16th Ave N	-78.9611507	33.616113
WAC-031	11th Ave N	-78.9641393	33.613146
WAC-031A	Swash at 5th Ave N	-72.9678983	33.6087667
WAC-032	3rd Ave N	-78.9691373	33.6077479
WAC-033	3rd Ave S	-78.9749541	33.6027406
WAC-034	8th Ave S	-78.9771679	33.5993875
WAC-035	13th Ave S	-78.9810281	33.5952913

Tier 2 Beaches**Garden City Beach – Horry County Beach**

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-036	Hawes Ave	-78.9875519	33.5881838
WAC-037	Azalea Ave	-78.9987463	33.575971

Huntington Beach State Park – Georgetown County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-039	North Access	-79.0485453	33.5144847
WAC-040	Visitors Center	-79.065063	33.5015691

Litchfield Beach – Georgetown County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-041	Songbird Ln	-79.0826594	33.4852593
WAC-042	Litchfield Inn	-79.0956795	33.4691087
WAC-043A	1st L Past Gate	-79.100628	33.461851

Town of Pawleys Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-044A	Pub Access 2nd/Atlantic B	-79.1189178	33.4324118
WAC-045A	Public Access Springs/Hazard Ave	-79.1308041	33.4120827
WAC-046	Pawleys Is. South Parking	-79.1381272	33.3996241

Debordieu Beach – Georgetown County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-047	Luvan Way	-79.1485221	33.3750841
WAC-048	Lafayette/Ocean Green Blv	-79.1516853	33.3597849

Isle of Palms

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-050	Port O' Call	-79.720968	32.8140122
TRI-051	Dunes Crest Lane	-79.729583	32.804194
TRI-052	53rd Ave	-79.745127	32.799372
TRI-053	34th Ave	-79.765551	32.793527
TRI-054	21st Ave	-79.781677	32.78678
TRI-054B	IOP County Park	-79.78481667	32.78553333
TRI-054C	10th Ave	-79.789765	32.784152
TRI-055	7th Ave	-79.794916	32.781163
TRI-056	4th Ave	-79.8067147	32.7755509

Sullivans Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-057	Station 30/ Marshall Blvd	-79.813956	32.7716983
TRI-058	Station 26/ Bayonne St	-79.825617	32.762519
TRI-059	Flag St Coast Guard station	-79.8488537	32.7535825

Folly Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-060A	1690 E. Ashley Ave	-79.894629	32.678377
TRI-061	1561 E Ashley Ave	-79.905016	32.670812
TRI-062	11th Ave	-79.917766	32.663483
TRI-063A	5th Ave E	-79.9311651	32.6578928
TRI-064	Center St	-79.938599	32.654503
TRI-065	3rd Ave	-79.944598	32.65242
TRI-066	8th Ave	-79.955055	32.64722

Kiawah Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-067	Folly Park	-79.9719872	32.6386668
TRI-068	Ocean Marsh Rd	-80.04221513	32.609361
TRI-069	Surfsong Rd beach access	-80.070616	32.60401
TRI-070	Seaforest Dr	-80.101296	32.59717
TRI-071	Shipwatch Rd	-80.117248	32.591675
TRI-072	Duneside Rd, Villas #1110 & #1118	-80.1450958	32.5781248

Seabrook Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-073	Oyster Catcher Ct	-80.150952	32.5745969
TRI-074	St. Christopher Camp	-80.1860624	32.5694619

Edisto Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-075	Edingsville (Jeremy Cay)	-80.27416667	32.51875
LC-076	Jeremy Inlet (North end of state park)	-80.288803	32.509114
LC-077	Pavilion Restaurant	-80.296189	32.503044
LC-077A	Matilda St beach	-80.3056	32.49681667
LC-077A2	Mary St	-80.30111111	32.49972222
LC-077B	Atlantic St	-80.30983333	32.4938
LC-078	Cheehaw St	-80.314733	32.489908
LC-078B	Dorothy St	-80.32	32.48611111
LC-079	Edings St	-80.325425	32.482564
LC-079A	Neptune St	-80.33178916	32.47849087
LC-080	Edisto St	-80.33763	32.478317
LC-080A	Mikell St	-80.34125	32.48218333
LC-081	Ebb Tide St	-80.343913	32.489112
LC-082	Bay Point at end of Yacht Club Rd	-80.346028	32.495352

Harbor Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-084	Between lots 118 and 120	-80.435512	32.412458
LC-085	Between lots 54 and 56	-80.431904	32.409178
LC-085A	South Harbor Dr at Pelican Point	-80.42593002	32.40315379

Hunting Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-086	Between campsites 73 ad 75	-80.430576	32.388379
LC-087	Between campsites 47 and 49	-80.431806	32.384884
LC-088	South Beach restroom	-80.440941	32.364887
LC-090	North Beach restrooms	-80.436909	32.373069
LC-091	North Beach lighthouse	-80.436051	32.375061

Fripp Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-092	access 25 on Tarpon Blvd	-80.489928	32.31044
LC-093	Fripp Villas	-80.480396	32.314431
LC-094	Seahorse Rd	-80.471207	32.316385
LC-095	Red Drum Rd North	-80.467359	32.31734
LC-096	Beach access #2 on Marlin Dr	-80.46245	32.3193

Hilton Head Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-098	Port Royal Plantation	-80.66859	32.219721
LC-098A	Beach access South side of Westin	-80.68077	32.20753
LC-099	Starfish Drive off of Folly Field Road	-80.688269	32.200691
LC-100	Burks Beach Road	-80.696225	32.192884
LC-101	The Moorings off of Mooring Buoy Dr	-80.714804	32.167861
LC-102	The Hilton, off of Mooring Buoy Drive	-80.720006	32.161801
LC-103	Ocean Woods, N Forest Beach Dr.	-80.731057	32.151642
LC-104	Avocet St, next to Sea Crest Motel	-80.748045	32.141528
LC-104A	Ocean Club, between units 44 and 45	-80.75674	32.1378
LC-106	Alder Ln, next to Grande Ocean	-80.762716	32.134925
LC-107	Sea Pines Beach Club	-80.78566	32.124179
LC-108	Atlantic Pointe Community	-80.800806	32.116488
LC-109	Tower Beach, Sea Pines Plantation	-80.822807	32.107528
LC-110	Beachside Tennis Villas	-80.828333	32.112209
LC-111	Southern most access Lands End Dr.	-80.826054	32.120923

F. Macroinvertebrate Monitoring Site Descriptions

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin						
B-005A	030501070303	34.92114509	-82.13013970	South Tyger River @ 293	Spartanburg	95,99,17
B-008	030501070503	34.75539500	-81.92749800	Tyger River@ Hwy. 50	Spartanburg	16
B-014	030501070103	34.87649035	-82.02542142	Middle Tyger Rvr At S-42-64	Spartanburg	95,99,09
B-017	030501070202	34.90587301	-82.02830374	North Tyger River @ SC 296	Spartanburg	95,99
B-018A	030501070203	34.78860993	-81.95231671	North Tyger River @ S-42-231	Spartanburg	09
B-021	030501070402	34.87741502	-81.88290226	Fairforest Ck At SC 56	Spartanburg	95,99,04,09
B-047	030501060406	34.39412300	-81.39652400	Broad Rvr At Sc 34 14 Mi NE Of Newberry	Fairfield	14
B-048	030501051506	34.87366900	-81.53168300	Pacolet Rvr At Sc 105 6 Mi Ab Jct With Broad Rvr	Cherokee	16,18
B-051	030501070507	34.53596000	-81.54794000	Tyger R. @ SC Hwy 72	Union	16,18
B-054	030501080502	34.42351981	-81.46700378	Enoree R. @ SR 45	Newberry	89,17
B-062	030501051004	34.91463503	-81.49659931	Thicketty Cr. @ SC 211	Cherokee	89,99,09
B-071	030501080403	34.41098232	-81.57784966	Indian Crk. @ US 176	Newberry	95,99
B-072	030501080303	34.49022356	-81.59212699	Duncan Ck At US 176 1.5 Mi SE Of Whitmire	Newberry	95,99,04,09
B-075	030501060205	34.59329389	-81.39275525	Sandy Rvr At SC 215 2.5 Mi Ab Jct With Broad Rvr	Chester	95,99,04
B-081	030501060707	34.08620205	-81.02543847	Crane Creek @ US 321	Richland	95,99,09
B-099-7	030501051201	35.18309430	-82.25153104	Vaughn Creek, upstream of B-099A @ Br.	Greenville	99,04,09
B-102	030501060504	34.37651409	-81.19144735	Jackson Ck At S-20-54, 5 Mi W Of Winnsboro	Fairfield	95,99,04,09
B-104	030501051301	35.13420895	-82.17820230	Spivey Crk. @ SR 209	Spartanburg	99
B-133	030501051004	34.94984397	-81.63104519	Thicketty Cr. @ SC 18	Cherokee	89,95,99,04
B-136	030501060105	34.77631626	-81.43240119	Turkey Ck At SC 9, 14 Mi NW Of Chester	Chester	95,99,04,09
B-143	030501060401	34.45697815	-81.39442123	Beaver Crk. @ SR 95	Fairfield	95,04,17
B-145	030501060507	34.25482570	-81.23448788	Little Rvr At S-20-60 3.1 Mi SW Of Jenkinsville	Fairfield	95,99,04
B-148	030501070101	35.08859181	-82.23796501	Middle Tyger Rvr At SC 14 2 Mi SSW Gowansville	Greenville	95,99,09
B-151	030501060402	34.33460105	-81.40195837	Hellers Crk. @ SR 97	Newberry	99,04,09
B-155	030501060302	34.72478862	-81.48630959	Browns Ck At S-44-86, 8 Mi E Of Union	Union	95,99,04,09
B-157	030501051101	34.98222838	-81.38013326	Clark Crk. @ SR 63	York	95,99,04,09
B-221	030501051401	35.03147111	-82.08845994	Lawsons Fork Creek @ S-42-40 BL Inman Mill EFF.	Spartanburg	95,99,18
B-222	030501051603	35.03553200	-81.49348700	Broad River @ Sec Rd 43 "Pick Hill Access"	Cherokee	14
B-236	030501060703	34.25927800	-81.33288300	Broad River just below Parr Dam	Newberry	14
B-246	030501080201	34.64623594	-81.99552644	Beaverdam Ck At S-30-97, 7 Mi NE Of Gray Court	Laurens	95,99,04,09,18
B-280	030501060708	34.02723011	-81.04197905	Smith Creek @ North Main Street In Columbia	Richland	95,99,09
B-296	030501050506	35.17951445	-81.77728211	Suck Crk. @ Walter Rd. off S.R. 29 near NC state line- 1st replicate upstream of bridge	Cherokee	99,09
B-311	030501060708	34.03904300	-81.07481500	Broad River @ I-20	Richland	14
B-316	030501060707	34.05376300	-81.05930300	Crane Creek @ S-40-43 under I-20 (N Cola)	Richland	15
B-318	030501070503	34.69283400	-81.83190811	Tyger R. @ SC Hwy 56	Spartanburg	89,92

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin (Cont.)						
B-320	030501060603	34.16219291	-81.11434536	Big Cedar Cr. @ SC 215	Richland	89,92,95,99,04,09,13,18
B-332	030501070305	34.78301677	-81.97229795	South Tyger River @ SR 86	Spartanburg	99,09,18
B-333	030501050902	35.04310316	-81.47575692	Kings Creek At S-11-209, 3 Mi W Of Smyrna	Cherokee	95,99,04,09,13,15, 18
B-334	030501051003	34.96484639	-81.55833374	Gilkey Ck At S-11-231, 9 Mi SE Of Gaffney	Cherokee	95,99,04,09
B-336	030501070505	34.58608249	-81.58127154	Tinker Ck At S-44-278, 9 Mi SSE Of Union	Union	95,99,04,09
B-337	030501060708	34.02591500	-81.06895800	Broad Rvr At US 176 (Broad River Rd) In Columbia	Richland	14,18
B-531	030501051401	35.02926857	-82.02118935	Meadow Crk. @ SR 56	Spartanburg	99,04,09
B-625	030501070303	34.93193524	-82.16701841	Maple Crk. @ SR 644	Spartanburg	99,04,09
B-679	030501051602	35.08359359	-81.57552817	Cherokee Creek @ SC 329	Cherokee	99,04,09
B-718	030501080202	34.61080490	-82.03655010	Warrior Cr @ SR 40	Laurens	89,18
B-719	030501051202	35.18927239	-82.14353280	North Pacolet R. @ SR 128	Spartanburg	89,95,99,04,09
B-720	030501051301	35.12773004	-82.18063024	South Pacolet R. @ SR 183	Spartanburg	89,92,93,94,95,99,04,09
B-721	030501060205	34.60890046	-81.37082492	Sandy R. @ SC 121	Chester	89,17
B-722	030501060203	34.64912255	-81.37011833	Brushy Fork Cr. @ SR 25	Chester	89,09
B-723	030501060205	34.58377572	-81.38416129	John's Cr. @ SC 215	Chester	89
B-725	030501070103	34.96299199	-82.17276094	Middle Tyger R. @ SR 789	Spartanburg	89,17
B-726	030501070201	34.98056175	-82.12165784	North Tyger R. @ SR 101	Spartanburg	89
B-733	030501070502	34.70944856	-81.81392394	Dutchman Cr. @ SR 511	Spartanburg	92,93,94,95,99,04,09,18
B-739	030501051102	34.97170022	-81.36330622	Bullocks Crk. @ SR 40	York	95,99,04,09,10
B-740	030501050805	35.15733808	-81.51738638	Buffalo Crk. @ SC Hwy 198	Cherokee	95,99,04,09
B-741	030501070301	35.04932570	-82.34497714	South Tyger River @ unnamed Rd. South of SR 569	Greenville	95,99
B-742	030501080202	34.60350205	-81.91518933	Warrior Creek @ SC 49	Laurens	95,99,04,09
B-751	030501060405	34.27906115	-81.43202695	Cannons Crk. @ US 176	Newberry	95,99,04,15,17
B-777	030501070506	34.50640296	-81.44707154	Cane Crk. @ SR 359	Union	99,04
B-778	030501060304	34.66493738	-81.45757994	Neals Creek @ SR 86	Union	99,04,09,13,15,18
B-779	030501070404	34.70442213	-81.72222722	Sugar Creek @ SR 52	Union	99
B-780	030501051505	34.87673999	-81.64327286	Mill Creek @ SR 73	Union	99,09
B-781	030501070405	34.78366371	-81.70859868	Mitchell Creek @ SR 19, 1st replicate of two stations, downstream of bridge	Union	99,04,09
B-782	030501070305	34.84347681	-82.07155198	Bens Creek @ SC 417	Spartanburg	99,04
B-783	030501051501	35.11140913	-81.89386069	Buck Creek @ Peach Shed Rd	Spartanburg	99,04,09
B-784	030501070102	34.97470785	-82.19502602	Beaverdam Crk. @ SC 357	Spartanburg	99,04,09

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin (Cont.)						
B-785	030501080203	34.59647336	-81.85514548	Cedar Shoals Crk. @ unnamed Rd. 0.2 km above confluence w/ Enoree R., south of SC 56	Spartanburg	99,04,09
B-786	030501070501	34.71972391	-81.90860981	Jimmies Crk. @ Stewart Rd, 1 mile upstream of SR 113	Spartanburg	99,04,09
B-787	030501070304	34.76865446	-81.96434377	Ferguson Crk. @ SR 86	Spartanburg	99,04,09
B-788	030501051601	35.15839584	-81.58501869	Bowen River @ SR 83	Cherokee	99,04,09
B-789	030501051601	35.15992135	-81.62769874	Goforth Crk. (Ross Crk.) @ SR 577	Cherokee	99,04,09
B-790	030501051301	35.10628655	-82.14876546	Motlow Crk. @ SR 888	Spartanburg	99,04,18
B-791	030501051203	35.12154806	-81.98983903	Obed Crk. @ SR 42	Spartanburg	99,04,09
B-792	030501080104	34.83068493	-82.18976499	Abeners Crk. @ Bennetts Ridge Rd.	Spartanburg	99,04
B-793	030501080103	34.77264038	-82.20778426	Horse Pen Crk. @ SR 145	Greenville	99,04,09
B-794	030501070101	35.10743257	-82.33488477	Middle Tyger R. @ Red Turner Rd., 0.5 miles East of SC 101	Greenville	99
B-795	030501080101	34.94930130	-82.33651040	Buckhorn Crk. @ SR 562	Greenville	99,04
B-796	030501080101	34.96519119	-82.34917496	Beaverdam Crk. @ SC 253	Greenville	99,09
B-797	030501080101	34.98873629	-82.37348546	Enoree R. @ Pine Log Ford Rd., 2nd crossing above SC 253 bridge	Greenville	99,18
B-798	030501080102	34.87876341	-82.33074267	Brushy Cr. @ SR 273	Greenville	99
B-799	030501080501	34.38965152	-81.55725432	Kings Crk. @ US 176, downstream of bridge	Newberry	99,04
B-800	030501060701	34.24546194	-81.34199781	Crims Crk. @ SC 213	Newberry	99,04,09
B-801	030501060702	34.19604442	-81.25869075	Wateree Crk. @ SR 698	Richland	99,04,09,10,14,15, 16
B-811	030501051604	35.02091800	-81.48647100	Broad River @ 99 Island	Cherokee	14
B-812	030501060205	34.57225800	-81.42186100	Broad River @ Sandy River	Chester	14
B-831	030501060404	34.29029650	-81.53564000	Cannon Creek @ Oxner Road	Newberry	09,15
B-836	030501060703	34.20150400	-81.22600600	Broad River @ Freshly Shoals Rd.	Richland	09,16
B-837	030501080101	34.92551000	-82.32068800	Mountain Creek @ SR 335	Greenville	09
B-841	030501051603	35.07517600	-81.56020200	Broad River above Cherokee Falls	Cherokee	14
B-842	030501060305	34.66465400	-81.44722900	Broad River below Neal Shoals Dam,	Union	14
B-843	030501060703	34.25608000	-81.33253000	Broad River below Parr Reservoir	Fairfield	14
B-844	030501060707	34.10380000	-81.00436000	Crane Creek @ Tubman Ct., Columbia	Richland	15
B-846	030501070305	34.79270000	-81.98600000	South Tyger Riv. Downstream of Dominion Pipe	Spartanburg	18
B-847	030501070305	34.79390000	-81.98940000	South Tyger Riv. Upstream of Dominion Pipe	Spartanburg	18
B-848	030501070304	34.77160000	-81.97920000	Ferguson Crk. Downstream of Dominion Pipe	Spartanburg	18
B-849	030501070304	34.77310000	-81.98030000	Ferguson Crk. Upstream of Dominion Pipe	Spartanburg	18
BE-007	030501080102	34.84589812	-82.22557875	Rocky Creek @ SR 164	Greenville	99,04,09
BE-008	030501080101	34.92369982	-82.30889807	Mountain Crk. @ SR 279	Greenville	99,04,18

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Broad Basin (Cont.)						
BE-009	030501080102	34.85933030	-82.23457133	Brushy Creek @ SR 164	Greenville	99,04,09
BE-018	030501080106	34.76939072	-82.12984698	Enoree Rvr At S-30-75	Laurens	95,99,09
BE-019	030501080106	34.75349047	-82.10734956	Enoree River @ sc Hwy 418	Laurens	95,99
BE-020	030501080103	34.78681648	-82.16073957	Gilder Creek @ SR 143	Greenville	99,04,09
BE-022	030501080105	34.69302050	-82.06256037	Durbin Crk. @ SC Hwy 101	Laurens	95,99,04,09
BF-008	030501070406	34.64936760	-81.66133123	Fairforest Ck At S-44-16 SW Of Union	Union	95,99,04
BL-001	030501051402	34.94370037	-81.78854862	Lawson's Fork Cr. @ SR 108	Spartanburg	89,95,99,04,09
RS-01028	030501051004	34.92607110	-81.56183821	Thickyty Creek @ SR 104	Cherokee	01
RS-01057	030501080303	34.51857288	-81.78270269	Dunkan Creek @ SR 26	Laurens	01
RS-03349	030501060103	34.83138667	-81.30117697	Susybole Creek @ SR 59	York	03
RS-03352	030501051601	35.15809381	-81.64190393	Ross Creek @ SR 63	Cherokee	03
RS-18421	030501080101	34.89741700	-82.26134500	Enoree River @ S-23-94 Hammet Br. Rd.	Greenville	18
RS-03514	030501051203	35.15075994	-82.08828563	Obed Creek @ unnumbered road of SC 11	Spartanburg	03
RS-03517	030501060701	34.22821724	-81.44498910	Unnamed tributary to Crimms Creek @ SR 25	Newberry	03
RS-04376	030501051002	35.02816282	-81.78959271	Little Thicketty Creek @ SR 307	Spartanburg	04
RS-04527	030501060401	34.52924269	-81.37365360	McClure Creek @ SC 215	Fairfield	04
RS-05562	030501060102	34.94631387	-81.31671018	Turkey Creek @ SR 41	York	05
RS-05566	030501080201	34.64886670	-82.03166848	Beaver Dam Creek @ SR 399	Laurens	05
RS-05578	030501070305	34.86357051	-82.08740043	Brushy Creek @ Brushy Creek Road	Spartanburg	05
RS-06025	030501070406	34.70136747	-81.65732789	Tosch's Creek @ SR 75	Union	06
RS-07048	030501080105	34.70476391	-82.08843537	Durbin Creek @ SR 67	Laurens	07
RS-07056	030501051502	35.12346933	-81.95861549	Trib to the Pacolet R @ SR 187	Spartanburg	07
RS-07217	030501060302	34.78945280	-81.56935235	Little Brown Creek @ SR 57	Union	07
RS-07220	030501080104	34.85541994	-82.20912654	Dillard Creek @ Westmoreland Rd.	Spartanburg	07
RS-08252	030501051004	34.97299963	-81.70274977	Peoples Crk. @ SC 329	Cherokee	08
RS-09291	030501060205	34.65604439	-81.32634560	Sandy R. @ SR 42	Chester	09
RS-09307	030501060507	34.19424297	-81.16849793	Little River @ SC 215 (B-350)	Fairfield	09
Catawba Basin						
CW-002	030501030502	34.69919423	-81.13526292	Rocky Cr. @ SR 335	Chester	93,98,02,07
CW-005	030501030402	34.93204124	-81.16557349	Fishing Cr. @ SR 347	York	93,98,02
CW-007	030501030406	34.78554565	-81.06929104	South Fork of Fishing Crk. @ SR 50	Chester	98,02,07
CW-014	030501030602	34.98578100	-80.97428100	Catawba Rvr At US 21, Below Lake Wylie Dam	York	14
CW-016	030501030606	34.70832300	-80.86756100	Catawba Rvr At SC 9 At Ft Lawn	Chester	14
CW-019	030501040304	34.24568700	-80.65309600	Wateree Rvr At US 1	Kershaw	14
CW-024	030501011504	35.13771752	-81.13558979	Crowders Crk. @ SR 1104	York	98,02,07
CW-031	030501030402	34.99231804	-81.19341288	Fishing Cr. @ SC 161	York	93,98,02
CW-034	030501040106	34.54042300	-80.87480100	Cedar Creek Reservoir Tailrace	Lancaster	14

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Catawba Basin (Cont.)						
CW-039	030501040208	34.33625900	-80.69980200	Wateree River Below Lake Wateree Dam	Kershaw	14
CW-064	030501030107	35.04121963	-80.89211428	McAlpine Cr. @ SR 64	Lancaster	93,98,02,07
CW-067	030501030504	34.61162273	-81.13772487	Little Rocky Cr. @ SR 144	Chester	89,92,93,94,95,98,02,07
CW-069	030501030504	34.58977261	-80.97404577	Little Rocky Cr. @ SR 53	Chester	89
CW-075	030501040203	34.30655655	-80.82230920	Thorntree Crk. @ SR 258	Fairfield	98,02,14w,14s
CW-076	030501040109	34.46231590	-80.76326357	Beaver Crk. @ SR 13	Kershaw	98,02,07
CW-077	030501040201	34.40394053	-80.64637501	Flat Rock Crk. @ SR 40	Kershaw	98,02,07,14w,14s
CW-078	030501040202	34.40255961	-80.64210900	Grannies Quarter Cr. @ SR 58	Kershaw	92,93,94,95,98,02,07,09,13,15,17
CW-080	030501040207	34.24392067	-80.67319643	Twenty-Five Mile Cr. @ SR 5	Kershaw	93,98,02,07,13,18
CW-084	030501030605	34.60023118	-80.84749766	Camp Crk. @ SR 20	Lancaster	98
CW-096	030501030401	34.88933919	-81.06922758	Wildcat Cr. @ SR 998	York	93
CW-154	030501040401	34.13662214	-80.76605363	Kelly Cr. @ SR 367	Kershaw	93,98,02,07
CW-155	030501040402	34.12962984	-80.75422565	Spears Cr. @ SC 12	Kershaw	93,98,02,07
CW-206	030501040406	33.94697200	-80.62846100	Wateree Rvr At US 76 & 378	Richland	14
CW-210	030501030305	34.71177960	-80.80974125	Cane Cr. @ SC 9	Lancaster	93,94,98,02,07,14w,14s
CW-223	030501040302	34.27133718	-80.58802133	Little Pine Cr. @ SR 132	Kershaw	93,98,02,07
CW-224	030501030407	34.87248050	-81.07350090	Fishing Cr. @ SR 163	York	93,18
CW-225	030501030402	34.89984783	-81.09173429	Fishing Cr. @ SR 503	York	93
CW-228	030501040203	34.29406467	-80.85949756	Sawneys Cr. @ SR 151	Fairfield	93,98,02,07
CW-233	030501030410	34.63715722	-80.92784100	Fishing Creek @ SR 77	Chester	02
CW-234	030501030408	34.74055456	-80.95122557	Tinkers Crk. @ SR 599	Chester	98,02,07
CW-246	030501030103	35.03576212	-80.89761484	Sugar Cr. @ gravel road off SR 64	Lancaster	93,98,02,07
CW-650	030501030407	34.88303414	-81.07222961	Wildcat Cr. 20 m above Fishing Cr.	York	93,18
CW-652	030501040207	34.23575501	-80.77582475	Bell Branch @ SR 129	Kershaw	89
CW-654	030501030407	34.84377093	-81.06493009	Fishing Cr. @ SR 655	York	89,93,98,02,07
CW-655	030501030407	34.84545105	-81.06799479	Stoney Fork Cr. @ SR 739	York	89,92
CW-681	030501030108	35.04493912	-80.94104347	Steel Cr. @ US By-pass 21	York	93,98,02,07
CW-691	030501030503	34.65835284	-80.97706553	Beaver Dam Crk. @ SR 555	Chester	98,02
CW-692	030501040108	34.35698391	-80.96065465	Dutchman Crk. SR 21	Fairfield	98,02,07
CW-693	030501040110	34.41699099	-80.71792177	White Oak Crk. @ SR 696	Kershaw	98,02
CW-694	030501011506	35.06479913	-81.13771193	Big Allison Crk. @ SR 114	York	98,02,07
CW-695	030501030407	34.85858138	-81.05810428	Taylors Crk. @ SR 735	York	98,02,07,18
CW-696	030501011503	35.11416584	-81.12811899	Beaver Dam Crk. @ SR 114	York	98,02,07
CW-697	030501030403	34.85929537	-81.07923028	Stoney Fork Crk. @ SC 121 & 72	York	98,02

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Catawba Basin (Cont.)						
CW-708	030501030503	34.61472427	-80.95563349	Beaverdam Creek @ SR 198	Chester	07
CW-709	030501011507	35.03090306	-81.10346735	Little Allison Creek @ SC 274	York	07
CW-710	030501040204	34.31640009	-80.64160289	Sanders Creek @ SC 97	Kershaw	07
RS-03511	030501030604	34.81479166	-80.91558000	Greene Creek @ SR 465	Chester	03
RS-06020	030501011503	35.12971281	-81.17473840	Beaverdam Creek @ SR 64	York	06
RS-06171	030501030503	34.61054507	-80.95435848	Beaver Dam Crk. @ SR 198	Chester	06
RS-06176	030501030604	34.88824733	-80.90065004	Sixmile Creek @ SR 691	York	06
RS-07059	030501040109	34.52554912	-80.69411404	Tranham Creek @ SR 763	Lancaster	07
RS-07208	030501030402	34.95624628	-81.18547258	Langham Creek @ Benfield Rd.	York	07
RS-13160	030501040207	34.21501627	-80.90069123	Twenty-Five Mile Cr. @ S-40-60 Grover Wilson Rd.	Richland	13
RS-17384	030501040206	34.18458400	-80.82689000	Sandy Branch @ S-28-349	Kershaw	17
RS-18408	030501040201	34.40404300	-80.64618700	Flat Rock Crk. @ Baron Decalb Rd.	Kershaw	18
RS-18396	030501030504	34.58968700	-81.02566300	Little Rocky Crk. @ S-12-35	Chester	18
RS-18416	030501030408	34.77617400	-80.94865200	Tinker Crk. @ Westbrook Rd.	Chester	18
Edisto Basin						
E-007	30502030308	33.48280100	-80.87396800	N Fork Edisto Rvr At US 601 At Orangeburg	Orangeburg	16
E-008	030502030308	33.35526299	-80.88707473	North Fork Edisto R. @ SR 39	Orangeburg	88,97,01,16,18
E-012	030502040312	33.31398921	-80.96477593	South Fork Edisto R. @ SR 39	Orangeburg	88,97,01,17
E-013	030502060103	33.24172800	-80.85547500	Edisto Rvr At US 78 W Of Branchville	Orangeburg	
E-015	030502060302	33.02754100	-80.39257100	Edisto Rvr At SC 61 At Givhans Ferry St Pk	Dorchester	16
E-029	030502040305	33.41939664	-81.22998857	Windy Hill Crk. @ SR 38	Barnwell	97,01
E-036	030502040303	33.49257991	-81.24538843	Goodland Creek @ SC 4	Orangeburg	97,01,06
E-039	030502040309	33.38565987	-81.03930336	Roberts Branch @ SC 332	Orangeburg	01
E-042	030502030208	33.60318167	-81.04178555	Bull Swamp Cr. @ SR 189	Orangeburg	88,92,93,94,95,97, 01,06,17
E-055	030502050107	33.44695000	-80.80195000	North Fork Edisto @ SC 394	Orangeburg	16
E-076	030502050101	33.52077980	-80.77733358	Little Bull Crk. @ SC 33	Orangeburg	97
E-087	030502060303	32.91211600	-80.40621200	Edisto River @ Sullivans Ferry	Dorchester	16,18
E-090	030502040103	33.72726802	-81.65545209	South Fork Edisto R. @ US 1	Aiken	88,92,97,01,06
E-100	030502050311	33.14137999	-80.34831983	Four Hole Swamp @ US 78	Dorchester	88
E-108	030502060105	33.14925775	-80.69232198	Cattle Creek @ SR 19	Dorchester	97,01,06,17
E-109	030502060203	33.08921301	-80.52144934	Polk Swamp @ SR 19	Dorchester	97,01,06,17
E-576	030502030106	33.72744467	-81.38991525	North Fork Edisto R. @ SR 75	Lexington	88,17
E-577	030502030105	33.73241415	-81.30318113	Black Cr. @ SR 245	Lexington	88,17
E-578	030502040102	33.75360232	-81.60165876	McTier Cr. @ SR 209	Aiken	88,92,97,01,06,09, 13,15,17
E-579	030502040107	33.65896998	-81.71802396	Shaws Cr. @ SR 153	Aiken	88,92,97,01,06

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Edisto Basin (Cont.)						
E-585	030502040207	33.55514800	-81.48371700	South Edisto River @ Aiken State Park	Aiken	16
E-589	030502050101	33.49265577	-80.72828923	Grambling Crk. @ SR 154	Orangeburg	97,01,06
E-590	030502050101	33.50580667	-80.73362001	Bull Swamp @ SR 65	Orangeburg	97
E-591	030502030206	33.76175315	-81.12571793	Bull Swamp @ SC 6	Lexington	97
E-592	030502040309	33.43597168	-81.05288049	Roberts Swamp @ SR 690	Orangeburg	97
E-593	030502030302	33.51267729	-80.96628821	Great Branch @ SC 4	Orangeburg	97
E-595	030502040204	33.47232008	-81.37493634	Yarrow Branch @ SR 161	Barnwell	97,01
E-596	030502050201	33.29615556	-80.29222474	Cedar Swamp @ Cement Bridge Rd. off SR 640	Orangeburg	97,01,06
E-597	030502060204	33.16784278	-80.50011482	Indian Fields Crk. @ US 78	Dorchester	97,01,06
E-602	030502060302	32.95469900	-80.40914100	Edisto River @ Good Hope Landing	Colleton	16
E-604	030502030105	33.78587307	-81.34209356	Black Creek @ SR 278	Lexington	97,01,06
E-605	030502030102	33.84099611	-81.45620718	Lightwood Knot Crk. @ unnamed rd. west of SR 60	Lexington	97,01,06
E-606	030502030101	33.80204219	-81.48358135	Chinguapin Crk. @ SR 210	Aiken	97,06
RS-01034	030502040104	33.66091469	-81.55691530	Rocky Springs Creek @ Moore Road	Aiken	01
RS-01036	030502050105	33.44412316	-80.61869154	Goodbys Swamp @ US 176	Orangeburg	01
RS-02480	030502040107	33.70401765	-81.75995265	Shaw Creek @ SC 191	Aiken	02
RS-03344	030502040106	33.75734406	-81.78518821	Hillyer Branch @ unnumbered Hillyer Bridge Road	Edgefield	03
RS-03518	030502040102	33.79643919	-81.60560747	Tributary to McTier Creek @ unnumbered Alberta Peach Road	Aiken	03
RS-04537	030502050108	33.41977990	-80.63560763	Unnamed Tributary to Four Hole Swamp @ S-38-92	Orangeburg	04
RS-07206	030502060101	33.35725936	-80.84062052	Staley Branch @ SR 117	Orangeburg	07
RS-07213	030502050108	33.40352456	-80.67156414	Mill Branch @ SR 36	Orangeburg	07
RS-09277	030502050107	33.41946545	-80.73997610	Cow Castle Creek @ SR 198	Orangeburg	09
RS-09310	030502030103	33.75174093	-81.42890926	North Fork Edisto R. @ SR 242	Lexington	09
RS-17347	030502050301	33.37702334	-80.49155725	Horse Range Swamp @ US 176	Orangeburg	17
RS-17366	030502060106	33.17524400	-80.74154700	Box Branch @ S-18-19, Wire Rd.	Dorchester	17
RS-18435	030502060203	33.19121000	-80.62972800	Bear Branch @ S-18-53 Friendship Rd.	Dorchester	18
Pee Dee Basin						
CSTL-554	030402060902	33.85072800	-78.89752800	Waccamaw River @ Sec Rd 105	Horry	15
CSTL-602	030402070106	33.38757800	-79.31496900	Whites Crk. @ US 17A/521, Georgetown	Georgetown	13
MD-109	030402060905	33.82933700	-79.04448100	Waccamaw River @ Conway Marina	Horry	15
MD-124	030402060704	33.91211246	-78.71450105	Waccamaw River @ SC 9	Horry	08,15
MD-136	030402060907	33.67260900	-79.06751700	Waccamaw Rvr 1/4 Mi Upstrm Of Jct With Intracoastal Waterway	Horry	15
MD-140	030402061003	33.50794600	-79.12837600	Waccamaw River @ Sandy Island	Georgetown	15
MD-144	030402060905	33.75517200	-79.06864900	Waccamaw River @ Toddville	Horry	15
MD-552	030402060803	33.84908700	-79.06965100	Crabtree Swamp @ US 501	Horry	14

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Pee Dee Basin (Cont.)						
PD-001	030402020305	34.63075194	-80.41956974	Lynches R. @ SC 265	Lancaster	94,95,98,03,08,17
PD-008	030402020206	34.39420902	-80.38569002	Little Lynches R. @ US 1	Kershaw	88
PD-012	030402010504	34.70873300	-79.87514400	Pee Dee Rvr At US 1 NE Cheraw	Marlboro	15
PD-015	030402010510	34.52531644	-79.83326323	Pee Dee River @ US 401	Darlington	99
PD-028	030402010808	34.35690000	-79.69321900	Pee Dee Rvr At SC 34 11 Mi NE Darlington	Darlington	15
PD-038	030402031404	34.22598737	-79.13489362	Lumber River @ SC 9	Horry	08,15,18
PD-044	030402050710	33.66214000	-79.83695100	Black Rvr At US 52 At Kingstree	Williamsburg	15
PD-046	030402050906	33.47066200	-79.49821800	Black River @ Pine Tree Landing	Georgetown	15
PD-048	030402020705	33.83905400	-79.44977800	Lynches River @ Johnsonville	Florence	15
PD-068	030402020301	34.63148400	-80.40442300	Fork Ck @ county rd 770 1.5 MI SW JEFFERSON	Chesterfield	17
PD-069	030402040501	34.58303600	-79.42346100	Little Pee Dee Rvr At SC 57 11.5 Mi NW of Dillon	Dillon	15
PD-071	030402020503	34.24975100	-80.21345000	Lynches Rvr At US 15/SC 34	Lee	15
PD-078	030402010710	34.25662320	-79.69946927	Black Crk. @ SC 327	Florence	98,08
PD-115	030402050407	33.71286100	-80.20105900	Pocotaligo Rvr At 3rd Bridge N Of Manning On US 301	Clarendon	15
PD-157	030402050503	33.85248614	-80.04847416	Pudding Swamp @ US 301	Clarendon	03
PD-163	030402040401	34.39588417	-79.43819381	Reedy Cr. @ SR 48	Dillon	88
PD-169	030402020703	33.88766400	-79.52863300	Big Swamp @ US 378/SC 51	Florence	14
PD-172	030402050806	33.62169100	-79.43326500	Black Mingo Ck At SC 41 14 Mi NE Of Andrews	Georgetown	15
PD-177	030402040701	33.97543600	-79.21011200	Chinner's Swamp @ S-26-24	Horry	14
PD-180	030402020103	34.74425328	-80.54156473	South Branch of Wildcat Crk. @ SR 39	Lancaster	98,03,08,14w,14s
PD-182	030402020104	34.65173264	-80.51580139	Flat Cr. @ US 601	Lancaster	88,98,03
PD-183	030402050105	34.22669689	-80.36358874	Scape Ore Swamp @ SC 34	Lee	88
PD-198	030402050303	33.87768156	-80.39198024	Cane Savannah Cr. @ SC 120	Sumter	88
PD-202	030402050401	33.80427100	-80.28861100	Pocotaligo Rvr At S-43-32 9 Mi SSE Of Sumter	Sumter	15
PD-206	030402050706	33.62141763	-79.89791311	Dickie Swamp @ SR 220	Williamsburg	03
PD-227	030402050604	33.72126400	-79.95414500	Black Rvr At S-45-35 8.6 Mi NW Of Kingstree	Williamsburg	15
PD-270	030402040506	34.31808414	-79.29117937	Little Pee Dee R. @ SR 22	Dillon	88
PD-283	030402040504	34.46988500	-79.36532300	Little Pee Dee River @ Mococasin'S Bluff	Dillon	15
PD-321	030402070203	33.81619500	-79.36514500	Clarks Creek @ Snow Lake Landing	Williamsburg	15
PD-333	030402020101	34.76063564	-80.47394838	Hills Crk. @ SR 105	Chesterfield	98,03,18
PD-339	030402010501	34.76728552	-79.95053184	Westfield Cr. @ US 52	Chesterfield	88,03
PD-350	030402040810	33.75677100	-79.21877300	Little Pee Dee River Off End Of S-26-135 At Punchbowl Landing	Horry	15,17
PD-351	030402040801	34.17905922	-79.12543186	Cedar Cr. @ SR 23	Horry	94
PD-352	030402040701	33.93201800	-79.26717700	Chinner's Swamp @ Gunters Island Rd.	Horry	14
PD-364	030402020504	34.12860739	-80.13139131	Lynches River @ US 401	Lee	98,08,17
PD-542	030402010702	34.42240116	-80.01092016	Boggy Swamp @ SR 50 (=RS-03507)	Darlington	08,17

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Pee Dee Basin (Cont.)						
PD-608	030402020304	34.57085763	-80.32165221	Big Sandy Cr. @ SR 11	Chesterfield	88
PD-610	030402050805	33.66734453	-79.50583674	Black Mingo Cr. @ SR 121	Williamsburg	88
PD-611	030402020406	34.21927905	-80.00883919	Lake Swamp @ US 401	Darlington	88
PD-612	030402010506	34.79489726	-79.66980025	Crooked Cr. @ 609	Marlboro	88,92,93
PD-613	030402010603	34.62278471	-80.19012893	Skipper Cr @ SC 145	Chesterfield	88,92,93,94,95,98, 03,08,10,14w,
PD-617	030402050401	33.79709772	-80.33068598	Briar Branch @ SR 459	Sumter	94
PD-618	030402040506	34.33405000	-79.32338000	Little Pee Dee River @ Floydale Bridge	Dillon	15
PD-619	030402040804	34.05683000	-79.24782300	Little Pee Dee River @ Galavants Ferry	Horry	15
PD-621	030402070203	33.78544400	-79.32338400	Great Pee Dee River @ Staples Lake	Williamsburg	15
PD-623	030402010710	34.25082200	-79.68467100	Black Creek @ SC 327	Florence	15
PD-627	030402050404	33.71401030	-80.27370260	Big Br. @ SC 261	Clarendon	94,03,17
PD-629	030402050709	33.53852052	-79.73998895	Ox Swamp @ US 521	Williamsburg	94,03,08,18
PD-630	030402010904	34.08199756	-79.65793313	Willow Cr. @ SC 327	Florence	94
PD-631	030402020703	33.95181723	-79.57710947	Trib to Big Swp. @ SR 164	Florence	94,03,08
PD-632	030402020203	34.55120143	-80.54647093	Little Lynches R. @ SC 157	Lancaster	94,98,03,08,13,14
PD-636	030402050103	34.18755492	-80.38981104	Beaver Dam Cr. @ SR 313	Lee	94
PD-637	030402010802	34.47223028	-79.82760025	Buckholtz Cr. @ dirt Rd. off SR 656	Darlington	94,08
PD-638	030402060905	33.79808844	-79.08362737	Bear Swp. @ SR 110	Horry	94
PD-639	030402010902	34.24431208	-79.98363957	Jefferies Cr. @ SR 13	Darlington	94,08
PD-640	030402020201	34.59516388	-80.59108095	Little Lynches R. @ SR 88	Lancaster	94,98,03,08
PD-641	030402010501	34.76811909	-79.95545087	Westfield Crk. @ SR 62	Chesterfield	98,17
PD-647	030402020301	34.66839395	-80.41568365	Little Fork Crk. @ Co.Rd. 39 upstream of Brewer Gold Mine	Chesterfield	98,03,08
PD-656	030402040808	33.95627400	-79.33255000	Little Pee Dee River @ Locust Tree Landing	Horry	15
PD-661	030402050910	33.45072200	-79.26255100	Black River @ Pringle's Ferry	Georgetown	15
PD-663	030402070207	33.48322300	-79.17699000	Great Pee Dee River @ Samworth WMA	Georgetown	15
PD-664	030402031404	34.29294200	-79.07836800	Lumber River @ Causey Landing	Dillon	15
PD-665	030402040810	33.74461400	-79.22504600	Russ Creek @ Parkers Landing	Marion	15
PD-669	030402020202	34.51624249	-80.58301932	Hanging Rock Crk. @ SR 770	Lancaster	98,03,08
PD-670	030402010603	34.66278128	-80.21160972	Black Crk. @ SR 33	Chesterfield	98,18
PD-671	030402010403	34.76271385	-80.16361792	Deep Crk. @ SR 47	Chesterfield	98,03
PD-673	030402010402	34.80307759	-80.21253508	Thompson Crk. @ SC 109	Chesterfield	98,03
PD-674	030402010602	34.72622320	-80.35125980	Big Black Crk. @ SR 683	Chesterfield	98,03
PD-675	030402010509	34.49781473	-79.99447451	Cedar Crk. @ SR 171	Chesterfield	98,08
PD-676	030402010601	34.73106632	-80.28916535	Little Black Crk. @ Zillysteen Rd. (dirt rd.)	Chesterfield	98,03
PD-677	030402010407	34.68312312	-80.09727476	North Prong Crk. @ SC 102	Chesterfield	98,03

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Pee Dee Basin (Cont.)						
PD-678	030402020205	34.41065390	-80.47167919	Beaver Dam Crk. @ SR 59	Kershaw	98,03,08
PD-679	030402020103	34.75957184	-80.55424453	North Branch of Wildcat Crk. @ SR 178	Lancaster	98,03,08,14w,14s, 18
PD-693	030402050406	33.64424242	-80.14515122	Deep Creek @ SR 25	Clarendon	03
PD-694	030402050904	33.45844718	-79.60350881	Johnson Swamp @ SR 16	Williamsburg	03
PD-695	030402050502	33.88857389	-79.95832166	Douglass Swamp @ US 378	Clarendon	03
PD-696	030402050701	33.78145030	-79.89033317	Clapps Swamp @ SR 47	Williamsburg	03
PD-697	030402050708	33.64201471	-79.77832306	Boggy Swamp @ SC 527	Williamsburg	03
PD-698	030402050902	33.55935873	-79.55661886	Burch Creek @ SR 383	Williamsburg	03,13
PD-699	030402060802	33.94344300	-78.91629809	Kingston Lake Swamp @ SR 139	Horry	03, 14
PD-700	030402060802	33.95150341	-78.93632038	Whiteoak Swamp @ SR 97	Horry	03
PD-701	030402040803	34.05711508	-79.23948969	Dawsey Swamp @ SR 99	Horry	03
PD-702	030402040806	33.90983346	-79.23912082	Palmetto Swamp @ SR 99	Horry	03
PD-703	030402050802	33.72952508	-79.61886925	Paisley Swamp @ SC 261	Williamsburg	03
PD-704	030402020204	34.45392975	-80.51033203	Cow Branch @ Spears Road	Kershaw	03,08
PD-705	030402050802	33.74562400	-79.61380780	Paisley Swamp @ SC 512	Williamsburg	08
PD-706	030402060802	33.97597753	-78.89847456	Kingston Lake Swamp @ SR 911	Horry	08
PD-707	030402060802	33.98645453	-78.94268297	White Oak Swamp @ Flat Top Rd.	Horry	08
PD-710	030402010603	34.61324662	-80.17168989	Big Black Crk. @ SR 657, Winery Rd.	Chesterfield	08
PD-711	030402010408	34.74254324	-80.08944505	Thompson Crk. @ SC 145	Chesterfield	08
PD-712	030402010508	34.50672986	-79.97999740	Little Cedar Cr. @ SR 675	Chesterfield	08
PD-713	030402010506	34.76914648	-79.67697108	Lightwood Knot Crk. @ SR 166	Marlboro	08
PD-714	030402050704	33.66673424	-79.84729716	Black River @ Gilland Memorial Park above Kingstree Swamp Canal	Williamsburg	08
PD-715	030402070206	33.66415000	-79.13552000	Bull Creek @ Fort Harrelson	Horry	15
RS-01013	030402010403	34.75206560	-80.19513434	Deep Creek @ SC 9	Chesterfield	01
RS-01058	030402020103	34.74423422	-80.54154409	South Fork of Wildcat Creek SR 39	Lancaster	01
RS-02311	030402010702	34.45218359	-80.01898607	Boggy Swamp @ SR 50	Darlington	02
RS-03345	030402050303	33.83394332	-80.46199474	Brunson Swamp Creek @ SR 251	Sumter	03
RS-03507	030402010702	34.42240116	-80.01092016	Boggy Swamp @ SR 50 (=PD-542)	Darlington	03
RS-04523	030402010606	34.51558777	-80.18311963	Little Aligator Creek @ US 1	Chesterfield	04
RS-04533	030402050903	33.52548580	-79.67257303	Spring Gully Swamp @ US 521	Williamsburg	04
RS-08233	030402020104	34.63503148	-80.46398682	Flat Cr. @ SR 99	Lancaster	08
RS-17360	030402010403	34.76537200	-80.19643600	Gulpins Br. @ S-13-136	Chesterfield	17
Salkehatchie Basin						
CSTL-009	030502080402	32.83535035	-81.13348157	Coosawhatchie R. @ US 601	Hampton	88
CSTL-011	030502080401	32.82873265	-81.09195575	Sanders Branch @ S-50	Hampton	96,00,05,10,13,18

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Salkehatchie Basin (Cont.)						
CSTL-014	030502070803	32.90821400	-80.66723100	Ireland Ck. @ Hwy 64	Colleton	15
CSTL-044	030502070803	32.97809692	-80.62900879	Ireland Creek @ S.R. 116	Colleton	96
CSTL-048	030502070603	33.11287300	-81.18540700	Salkehatchie River At U.S. 301 & 321	Allendale	16
CSTL-051	030502070201	32.98436615	-81.17900414	Jackson Crk. @ S-18	Allendale	96,00,05,15
CSTL-053	030502070602	33.07345072	-81.03368021	Savannah Creek @ S.R.-87	Bamberg	96,00,10,18
CSTL-056	030502070103	33.31165894	-81.35713311	Turkey Creek @ S.R.-169	Barnwell	96,00
CSTL-097	030502070104	33.28754655	-81.43174655	Salkehatchie R. @ SR 166	Barnwell	88,92,93,94
CSTL-120	030502070508	32.88819900	-80.87479600	Little Salkehatchie River At SC 63	Colleton	16
CSTL-540	030502080202	32.94614150	-81.29853996	Coosawatchie River @ S-350	Allendale	96,00,10,15,17
CSTL-550	030502070201	33.03674768	-81.33528789	Log Branch @ SR 53	Allendale	88
CSTL-551	030502071001	32.78123816	-80.63766984	Ashepoo R. @ SR 41	Colleton	88
CSTL-552	030502070508	32.88759967	-80.87074438	Little Salkehatchie R. @ SC 63	Colleton	88
CSTL-562	030502070606	32.98355100	-81.05060400	Salkehatchie River @ US 601	Hampton	16
CSTL-566	030502070401	33.31098830	-81.19232518	Little Salkehatchie River @ S.C.- 70	Bamberg	96,00,10
CSTL-569	030502070604	32.90893055	-80.93754379	Ricepatch Crk. @ SC 63	Colleton	00
CSTL-570	030502070505	32.99563284	-80.91618462	Willow Crk. @ SR 42	Colleton	00,13
CSTL-576	030502070302	33.23475352	-81.00632193	Lemon Creek @ S-74	Bamberg	96,00
CSTL-577	030502070106	33.24896480	-81.31417038	Toby Creek @ S.R.-29	Barnwell	96,00,05,10,17
CSTL-578	030502070102	33.30057491	-81.43133240	Buck Creek @ S.R.-167	Barnwell	96
CSTL-579	030502070109	33.15948966	-81.18835330	Birds Branch @ S.R. 567	Bamberg	96,00,05,09,10,15
CSTL-580	030502070903	32.91400987	-80.52840385	Chessey Creek @ S.R. 45	Colleton	96,00,05
CSTL-581	030502070903	32.93211453	-80.56922393	Fuller Swamp Crk. @ US 17A	Colleton	96,00,15,18
CSTL-582	030502080302	32.68486819	-81.05247128	Cypress Creek @ SC 3	Jasper	96,00,05
CSTL-583	030502070701	32.76957834	-80.83771532	Black creek @ US 21	Colleton	96,00,05,13,16,18
CSTL-584	030502070804	32.77122957	-80.70814939	Remick Swamp Crk. @ SR 41	Colleton	96,00,05,10
CSTL-585	030502070508	32.80929917	-80.85666160	Sandy Run Creek @ US 21	Colleton	96,00,05,10,13
CSTL-588	030502070101	33.30487771	-81.45554533	Rosemary Crk. @ SR 167	Barnwell	00,10
RS-02472	030502070110	33.11764685	-81.22661031	Wells Branch @ SC 300	Allendale	02
RS-02488	030502080401	32.86742589	-81.09883057	Sanders Branch @ Paved Road off SC 363 north of Hampton city limits	Hampton	02
RS-03356	030502070802	32.93723661	-80.68380046	Wolf Creek @ SR 24	Colleton	03
RS-03520	030502070804	32.82876571	-80.67212487	Asheppo River @ SR 88	Colleton	03
RS-09282	030502080202	32.99590164	-81.32502551	Coosawatchie River @ SR 22	Allendale	09
RS-18418	030502070105	33.18879300	-81.32828600	Hurricane Crk. @ SC 300 Dandd Rd.	Barnwell	18
Saluda Basin						
C-005	030501100104	33.94365143	-81.07901711	Six Mile Creek @ US 21	Lexington	97
C-007	030501100403	33.75294100	-80.64502100	Congaree Rvr At US 601	Calhoun	14

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Saluda Basin (Cont.)						
C-007K	030501110109	33.73126900	-80.62758800	Santee River @ Trezvant's Landing	Sumter	14,17
C-009	030501100302	33.80158583	-80.96676660	Sandy Run Crk. @ US Hwy 176	Calhoun	97,01,06
C-010	030501100308	33.75933415	-80.91425670	Big Beaver Crk. @ US Hwy 176	Calhoun	97,01,06
C-061	030501100104	33.92634531	-81.10961837	Savana Branch @ SR 72	Lexington	97,01
C-069	030501100306	33.89722002	-80.81915389	Cedar Creek @ SR 66	Richland	97,01,06
C-071	030501100305	33.84095360	-80.86015094	Cedar Creek @ SR 734	Richland	97,01,06
C-074	030501100310	33.80907400	-80.86704300	Congaree Rvr, West Boundary Of Congaree Swp N P	Richland	14
C-565	030501100102	33.87274595	-81.28113340	Congaree Cr. @ SR 34	Lexington	93,94,95,97,01,06, 17
C-566	030501100300	34.05905500	-80.89826700	Gills Cr. @ Alpine Rd., Ft. Jackson	Richland	93
C-577	030501100309	33.72233938	-80.77968968	Bates Mill Crk. @ SR 24	Calhoun	97
C-578	030501100306	33.84073702	-80.86004524	Myers Creek @ SR 734	Richland	97,01,06
C-579	030501100401	33.82279493	-80.72645671	Toms Creek @ Power Line and RR Track	Richland	97,01
C-580	030501100101	33.91962473	-81.27102264	Red Bank Creek @ unnumbered Rd. connecting SR 1260 and SR 243	Lexington	97,01,06
CSB-001R	030501100301	33.98804600	-81.04601000	Congaree Rvr @ Blossom St, Broad River Side	Richland	17
C-583	030501100103	33.87149400	-81.14994317	Second Creek @ SR 647	Lexington	97,01,06
RS-01012	030501091403	34.08810715	-81.19856042	Rawls Creek @ SR 175 (in Irmo)	Lexington	01
RS-01044	030501091206	34.20480045	-81.62662256	Bush River @ SC 395	Newberry	01
RS-02462	030501090305	34.60378846	-82.42750225	Grove Creek @ SR 52	Greenville	02
RS-03346	030501090701	34.21689187	-82.16865192	Rocky Creek @ SC 72 by-pass and SC 254	Greenwood	03
RS-04364	030501090802	34.48973824	-82.42540206	Broad Mouth Creek @ SR 265	Anderson	04
RS-04521	030501100402	33.75344892	-80.66193203	Buckhead Creek @ SR 151	Calhoun	04
RS-04526	030501090907	34.27254326	-81.85581869	Mudlick Creek @ dirt Road off SR 22	Newberry	04
RS-04530	030501090203	35.10404748	-82.54825423	Middle Saluda River just downstream of Oil Camp Creek near Jones Gap	Greenville	04
RS-05398	030501091003	33.96950558	-81.55886540	West Creek @ SR 105	Greenwood	05
RS-06151	030501090302	34.86267438	-82.56535937	Burdine Creek @ SR 192	Pickens	06
RS-06167	030501090404	34.75888640	-82.31695609	Unnamed Trib. to Reedy River at Planters Drive	Greenville	06
RS-07046	030501090702	34.18948118	-82.01695456	Wilson Creek @ SR 397	Greenwood	07
RS-07215	030501090301	34.92824726	-82.56494108	Dotties Creek @ Old Dacusville Rd.	Pickens	07
RS-09097	030501091305	34.20039079	-81.48681562	Camping Creek @ SR 202 (S-290)	Newberry	09
RS-09114	030501091003	33.99692847	-81.55999656	West Creek @ SR 189	Saluda	09
RS-09116	030501090806	34.33183373	-82.02818236	Trib to Cane Creek @ SR 19	Laurens	09
RS-09290	030501090904	34.35505026	-81.88631717	Simmons Creek @ SR 38	Laurens	09
RS-09312	030501100306	33.92722340	-80.81907373	Cedar Cr. @ SR2561, near Beulah Ch. and McIntyre Gate	Richland	09

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Saluda Basin (Cont.)						
RS-09323	030501100201	34.06525093	-80.95356667	Lightwood Knot Branch @ Trenholm Road Extension	Richland	09
RS-17353	030501091204	34.63218300	-81.78574730	Bush River @ SC 560	Laurens	17
RS-17381	030501090403	34.65463540	-82.32547070	Huff Cr. @ SR 459	Greenville	17
RS-17357	030501090501	34.63610724	-82.22496029	Payne Br. @ S-23-451	Greenville	17
RS-18426	030601030512	34.24112900	-82.46905100	Little River @ SC 28	Abbeville	18
S-004	030501090102	34.97890320	-82.52201756	North Saluda River @ SR 89	Greenville	01,16
S-007	030501090307	34.79908300	-82.46994200	Saluda Rvr At SC 81 SW Of Greenville	Anderson	14
S-011	030501090307	34.84665000	-82.45670000	Reedy River @ Roe Ford Road (=S-928)	Greenville	05,08
S-047	030501091207	34.18392700	-81.72609300	Saluda Rvr At SC 121	Saluda	14,17
S-052	030501091402	34.00049739	-81.19521695	Twelve Mile Creek @ SR 106	Lexington	96,97,06
S-070	030501090602	34.50653152	-82.22199713	Reedy R. @ US 76 (Colonial Oil Spill RR #5)	Laurens	04,08
S-072	030501090404	34.65271321	-82.29753152	Reedy River @ Jenkins Bridge Rd.	Greenville	08
S-076	030501090203	35.12538762	-82.57394793	Middle Saluda R. @ Jones Gap St. PK	Greenville	89,92,97,01,06
S-086	030501090202	35.06383343	-82.64833395	Matthews Creek @ SR 90	Greenville	97,01,06,09,13
S-091	030501090404	34.70239977	-82.29879202	Rocky Creek @ SR 453	Greenville	97,01,04,05,06,08
S-096	030501090503	34.38212872	-82.10254545	Rabon Cr. @ Sec. Rd. 54	Laurens	89,92,97,01,06
S-100	030501090908	34.23495934	-81.80629100	Little River @ SR 48	Newberry	97,01,06
S-103	030501090201	35.00259958	-82.62279219	Oolenoy River @ SR 47	Pickens	97,01,06,17
S-111	030501091001	33.94519918	-81.62241680	Cloud Creek @ US 178	Saluda	97
S-112	030501091001	33.93989053	-81.61274328	Moore Cr. @ Hwy. 178	Saluda	92,97,01
S-139	030501090404	34.77646000	-82.34435193	Laurel Creek @ Mauldin Road (Butler Rd)	Greenville	05,08
S-169	030501090307	34.64872600	-82.45484800	Saluda River @ Pelzer "Timmerman Ramp"	Greenville	14
S-184	030501090701	34.24247774	-82.10236149	Coronaca Creek @ SC Hwy 221	Greenwood	97,01,17
S-186	030501091202	34.16739600	-81.90768800	Saluda Rvr At SC 34 6.5 Mi ESE Of 96	Greenwood	14
S-235	030501090702	34.18691211	-81.99822435	Wilson Creek @ SR 124	Greenwood	97,01,06
S-260	030501091403	34.04696341	-81.14923152	Kinley Creek @ St. Andrews Road	Lexington	97,01,06,13,14
S-265	030501090401	34.88427033	-82.42387180	Langston Creek @ Old Buncomb Road	Greenville	05,08
S-287	030501091403	34.05384144	-81.18636514	Rawls Creek @ SR 107	Lexington	97,06,13
S-290	030501091305	34.20036000	-81.48683000	Camping Crk. @ S-36-202	Newberry	18
S-298	030501091403	34.01385500	-81.08780900	Saluda Rvr At USGS Gaging Strn, 1/2 Mi Below I-20	Richland	14
S-301	030501090303	34.71257738	-82.46814433	Brushy Creek @ SR 143	Anderson	97,01,06
S-302	030501090306	34.57332503	-82.43148719	Big Creek @ SR 116	Anderson	97,01,06
S-317	030501090203	35.11182546	-82.54895379	Oil Camp Creek @ SR 97	Greenville	97,01,06
S-507	030501091403	34.02998100	-81.11445700	Stoop Crk. @ Bush River Rd.	Lexington	14w, 14s
S-771	030501090202	35.07052517	-82.60722928	South Saluda R. @ SC Hwy. 11	Greenville	89,92,94,95,97,01, 06
S-773	030501090102	35.11143393	-82.45499495	North Saluda R. @ US Hwy 25	Greenville	89,92,97,01,06,16

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Saluda Basin (Cont.)						
S-774	030501090305	34.66848203	-82.42816756	Grove Cr. @ Sec. Rd. 541	Greenville	89,92,97,01,06
S-775	030501090802	34.46766561	-82.35444761	Broad Mouth Cr. @ Sec. Rd. 81	Anderson	89,92,93,94,95,97, 01,06,18
S-776	030501090802	34.50635722	-82.44507817	Trib.Broad Mouth Cr. @ Sec. Rd.205	Anderson	89,92,97,01
S-777	030501091103	34.06032366	-81.76348436	Big Cr. @ SC Hwy 121	Saluda	89
S-778	030501090602	34.55122280	-82.24111249	Reedy R. @ Sec. Rd. 68 (=RS-17370)	Greenville	89,92,01,04,06,08, 09,15,17
S-804	030501090806	34.33140895	-82.02486237	Cane Cr. @ Sec.Rd. 19	Laurens	92,93,97,01
S-808	030501091307	34.11749762	-81.52357703	Trib. to Timothy Crk. @ SR 244	Newberry	97,14
S-833	030501090404	34.68362221	-82.30559383	Reedy R. @ SR 542 (Colonial Oil Spill Control)	Greenville	06,08
S-834	030501090403	34.62454135	-82.30352714	Reedy R. @ SR 154 (Colonial Oil Spill RR #2)	Greenville	06,08
S-835	030501090602	34.58180191	-82.27420102	Reedy R. @ SR 985 (Colonial Oil Spill RR #3)	Greenville	06,08
S-848	030501091402	34.00940237	-81.20262437	Fourteen Mile Creek @ SR 28	Lexington	97,01,06,13
S-850	030501091305	34.15986589	-81.46145588	Camping Creek @ Sr 72	Newberry	97,06,14w,14s
S-851	030501091206	34.16844681	-81.61023518	Bush River @ SR 244	Newberry	97,06
S-852	030501091203	34.17523328	-81.64676073	Beaverdam Creek @ SR 83	Newberry	97,01
S-855	030501091103	34.07253517	-81.71969862	Big Creek @ SR 122	Saluda	97,09,13,14
S-856	030501090704	34.15723896	-81.94394213	Ninety Six Creek @ SR 42	Greenwood	97,01,06
S-858	030501090804	34.34199467	-82.19022959	Turkey Creek @ SR 96	Greenwood	97,01,06
S-859	030501090502	34.55579393	-82.14330622	Mountain Creek @ SR 32	Laurens	97,01,06
S-860	030501090501	34.54961557	-82.18552598	South Rabon Creek @ SR 77	Laurens	96,97,01,06
S-861	030501090604	34.39206168	-82.14886272	Walnut Creek @ SR 64	Laurens	96,97,01,04,06
S-862	030501090601	34.52386657	-82.26264536	Horse Creek @ SR 69	Greenville	97,01,04,05,06,08
S-863	030501090403	34.65463538	-82.32547071	Huff Creek @ SR 459	Greenville	97,01,04,06
S-864	030501090801	34.53033274	-82.35084528	Mountain Creek @ SR 51	Greenville	97,01,06
S-865	030501090302	34.86530417	-82.53051667	Georges Creek @ road above SR 36	Pickens	97,01,06,18
S-866	030501090301	34.94758932	-82.53472986	Shoals Creek @ SR 140	Pickens	97,01,06
S-867	030501090402	34.79843933	-82.39141663	Brushy Creek @ SR 30	Greenville	97,01,04,05,08,17
S-868	030501090401	34.91070487	-82.44790194	Reedy River @ SR 133	Greenville	97,17
S-928	030501090401	34.94090063	-82.46532386	Reedy River @ SR 88 (= S-011)	Greenville	01,17
S-955	030501100301	33.96482100	-81.03626700	Congaree Riv. @ Rosewood Landing	Richland	14
S-972	030501090404	34.72413563	-82.30866576	Baldwin Creek @ Moore Road	Greenville	04,05,08,18
S-979	030501090802	34.48980000	-82.42540000	Broad Mouth Creek @ SR 265	Anderson	05,08
S-980	030501090204	34.96833947	-82.55130895	Carpenter Creek @ Pace Bridge Road NE of SC 186/SC 135 intersection	Pickens	05,08
S-981	030501090402	34.85511982	-82.38401322	Richland Creek @ E. North Street	Greenville	05,08,15
S-982	030501090404	34.66917591	-82.29627422	Harrison Creek @ S. Harrison Bridge Road	Greenville	05,08

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Saluda Basin (Cont.)						
S-983	030501090403	34.71340065	-82.35446864	Huff Creek Creek @ Griffin Mill Road	Greenville	05,08
S-984	030501090403	34.66130683	-82.34655967	Tributary to Baker Creek @ Alverson Road	Greenville	05,08
S-985	030501090403	34.62627412	-82.30857792	Little Creek @ Berry Road	Greenville	05,08
S-986	030501090602	34.58541514	-82.24853733	Martin Creek @ Craigs Road	Greenville	05,08
S-987	030501090602	34.49900164	-82.23257620	Ware Shoals east #1 @ SR 347	Laurens	05,08
S-988	030501090604	34.40169519	-82.17201877	Walnut Creek @ SR 36 (Ekomp Beach Road)	Laurens	05,08
S-989	030501090804	34.38308405	-82.29177367	Gibson Creek @ Bolt Road	Abbeville	05,08
S-990	030501090801	34.53078334	-82.35066529	Trib to Mountain Creek @ Oak Hill Drive west of US 25-McCollough School Rd. intersec	Greenville	05,08,18
S-991	030501090301	34.94144997	-82.57324875	Shoal Creek @ Deer Creek Road NE of SC 186/SC 135 intersection	Pickens	05,08
S-999	030501090201	35.03393200	-82.70127100	Green Ck behind nature ctr @ Table Rock State Park	Pickens	09
S-1001	030501090101	35.17427700	-82.40319300	Posey Ck. @ SR 17, Bridge nearest the end of Page Mountain Rd.	Greenville	09,10,14,16,18
S-1002	030501091403	34.04629100	-81.19082900	Saluda River @ Hope Ferry Landing	Lexington	14
S-1003	030501090307	34.85119000	-82.48514000	Saluda River @ S-23-63, below dam	Greenville	14
S-1004	030501090402	34.85907400	-82.38419100	Richland Creek @ Spartanburg St. Greenville	Greenville	15
S-1005	030501090402	34.84522800	-82.38738300	Richland Creek @ Cleveland Park, Greenville	Greenville	15
S-1007	030501100301	33.99664000	-81.05106000	Congaree Riv. @ 90m ups. of Gervais St. Brdg on Broad Riv. side	Richland	17
S-1008	030501090302	34.88937800	-82.61061100	Jones Creek 0.16 miles from Hood Rd. just below fork	Pickens	18
S-1009	030501090302	34.88420800	-82.60665800	Jones Creek near Semper Fi Rd.	Pickens	18
S-1010	030501090302	34.87270600	-82.58890800	Jones Creek @ Holly Bush Rd.	Pickens	18
Santee Basin						
C-014	030501110101	33.66687751	-80.61269705	Warley Creek @ SC 267	Calhoun	02
C-017	030501100203	33.94814000	-80.98910000	Gills Cr. @ SC 48 Bluff Rd.	Richland	18
CSTL-062	030502010701	33.21492400	-79.97514400	Tail Race Canal At US 52 & 17A Below Lake Moultrie	Berkeley	16
CSTL-112	030501120302	33.20833200	-79.46903500	Wambaw Ck. @ Extension of S-10-857 (Bridge Boat Landing)	Charleston	15
CSTL-594	030501120206	33.26076700	-79.65812800	Du Tart Crk. @ SC 45	Berkeley	13
CSTL-595	030502010201	33.31656400	-79.93796400	Trib to Gravel Hill Swamp @ Mendel Rivers Rd./Magnolia St.	Berkeley	13
CSTL-596	030501120302	33.11954700	-79.53762500	Mechaw Crk. @ Palmers Bridge Rd.	Charleston	13
CSTL-597	030502010301	33.13551100	-79.80000100	Huger Crk. @ Forest Rd. 159	Berkeley	13,17
CSTL-598	030502010301	33.13126700	-79.78389700	Turkey Crk. @ SC 41	Berkeley	13
CSTL-599	030502010302	33.17050600	-79.76931100	Nicholson Crk. @ SC 41	Berkeley	13
CSTL-600	030502090201	33.04558300	-79.62564700	Steed Crk. @ Eden Bridge Rd.	Charleston	13

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Santee Basin (Cont.)						
CSTL-601	030502010601	32.99159400	-80.20622200	Sawmill Branch @ S-18-706/Luden Dr., Summerville	Dorchester	13
CSTL-603	030502090201	33.03503300	-79.67375600	Cooter Creek @ Willow Hall Road	Charleston	14
CSTL-604	030502010701	33.19729700	-80.01555300	California Branch @ Hwy 6	Berkely	14
CSTL-605	030502010304	33.08354000	-79.77761400	Washaw Ck. @ Steed Creek Rd	Berkeley	15
CSTL-606	030502010203	33.22069000	-79.95069000	Broad Axe Branch @ Old Cherry Hill Rd	Berkeley	15
RS-04389	030501110101	33.66042304	-80.63097722	Warley Creek @ SR 287	Calhoun	04
RS-05399	030501120102	33.54001028	-80.13763254	Bennets Branch @ SR 351	Clarendon	05
ST-001	030501120206	33.30460100	-79.67831900	Santee Rvr At SC 41/US 17A NE Of Jamestown	Berkeley	16
ST-017	030501110106	33.60982074	-80.38962576	Jacks Creek @ SR 26, (=MAC 10)	Clarendon	07
ST-532	030501120101	33.44938700	-80.16008300	Santee River Below Lake Marion (Wilsons)	Clarendon	16
ST-527	030501110109	33.75317268	-80.53536484	Tavern Cr. @ SR 808	Sumter	92,93,94,95,02,07, 10,14,16,18
ST-533	030501110103	33.64112116	-80.71844969	Lyons Creek @ SC 6	Calhoun	02,07,17
ST-534	030501110104	33.62541297	-80.66004974	Halfway Swamp Creek @ SR 157	Calhoun	02,17
ST-535	030501110102	33.66827186	-80.48041251	Spring Grove Creek @SR 26	Clarendon	02
ST-536	030501120102	33.53989259	-80.13753118	Bennetts Branch @ SR 351	Clarendon	02,07,17
ST-537	030501120102	33.54437744	-80.08606431	Doctor Branch @ SR 48	Clarendon	02,07,18
Savannah Basin						
RS-01049	030601030510	34.20777469	-82.41475227	Calhoun Creek @ SC 28	Abbeville	01
RS-02478	030601030512	34.12554416	-82.51586865	Little River @ SR 308	Abbeville	02
RS-03342	030601070106	33.91609896	-82.17797193	Doctors Branch @ SR 21	McCormick	03
RS-03506	030601010701	34.75092370	-82.60100602	Charles Creek @ unnumbered Ridge Road off SR-485	Anderson	03
RS-03510	030601030711	33.89638589	-82.35364385	Unnamed tributary to Baker Creek @ SR 21	McCormick	03
RS-04380	030601020304	34.61960951	-83.18099889	Unnamed Tributary to Chauga River @ SR 142	Oconee	04
RS-04544	030601060601	33.51610045	-81.99088995	Tributary to Savanah River @ River Rapids Subdivision	Aiken	04
RS-05412	030601010503	34.62361838	-82.99464525	Snow Creek @ SR 51	Oconee	05
RS-05574	030601030608	34.02182029	-82.31305999	Rocky Branch @ SR 177	Greenwood	05
RS-05586	030601030504	34.33863351	-82.50711946	Unnamed Trib. to Johnson Creek @ SR 352 @ 2nd Bridge from SC 201	Abbeville	05
RS-06190	030601030602	34.24309751	-82.35305975	Baileys Creek @ SR 171	Abbeville	06
RS-07222	030601030603	34.20889166	-82.26793978	Johns Creek @ SR 61	Abbeville	07
RS-08082	030601060205	33.52028056	-81.84793780	Horse Cr. @ SR 254	Aiken	08
RS-08089	030601010501	34.73807594	-83.11417687	White Fork @ Stribling Shoals Rd.	Oconee	08
RS-09107	030601010502	34.69985293	-83.01706825	Richland Creek @ SR 135	Oconee	09
RS-09112	030601030504	34.29601213	-82.46510265	Johnson Creek @ SR 184, just west of SC 201	Abbeville	09
RS-17349	030601060904	32.87632400	-81.42858800	King Cr. @ SC 3	Allendale	17
RS-17377	030601060702	33.06870500	-81.40727800	Trib to Miller Cr. @ SC 125	Allendale	17

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Savannah Basin (Cont.)						
RS18429	030601010701	34.72386600	-82.61582100	Pickens Crk. @ Hamlin Rd. S-4-485	Anderson	18
SV-044	030601030204	34.37891893	-82.56000145	Hen Coop Creek @ SR 244	Anderson	96,00,05,18
SV-054	030601030605	34.13852901	-82.35143691	Double Br. @ SR 33	Abbeville	87,90,96,17
SV-056	030601030609	34.08819797	-82.32058206	Long Cane Cr. @ SR 33	Abbeville	87,90,00,17
SV-062	030601070108	33.87753743	-82.23236105	Stevens Cr. @ SR 22	McCormick	87,90
SV-063	030601070303	33.72945317	-82.18229980	Stevens Cr. @ SC 23	McCormick	87,90,96,00,05,10,13,17
SV-069	030601060203	33.55443360	-81.78865322	Sand Creek @ SC 421	Aiken	96,00,05,10
SV-072	030601060205	33.48552047	-81.89616937	Horse Crk. @ SR 145	Aiken	00
SV-101	030601030402	34.37347514	-82.77376748	Big Generostee Cr. @ SC 187	Anderson	87,90,96,00
SV-108	030601020502	34.60366310	-83.09786164	Choestoea Creek @ SR 49	Oconee	96,00,05
SV-109	030601030404	34.27419048	-82.73185773	Little Generositee Creek @ SC 184	Anderson	96,00,05
SV-118	030601060905	32.93799100	-81.50212000	Savannah Rvr At US 301 12.5 Mi SW Allendale	Allendale	16
SV-135	030601010602	34.67291056	-82.78772399	Eighteen Mile Creek @ SR 140	Anderson	96,00
SV-141	030601030202	34.47674037	-82.59010404	Broadway Crk. @ U.S. 76	Anderson	96
SV-151	030601070101	34.12651997	-82.18671581	Hard Labor Creek @ SR 164	Greenwood	96,00,05
SV-164	030601030502	34.34120024	-82.46077918	Little River @ SR 24	Abbeville	96,00,05
SV-171	030601030511	34.08342772	-82.47604884	Calhoun Cr. @ SR 40	Abbeville	87,90,93,94,95,96,00,05,18
SV-175	030601060705	33.07311278	-81.47718956	Lower Three Runs Cr. @ SR 125	Allendale	87,90
SV-180	030601010703	34.65616598	-82.64149611	Six & Twenty Cr @ S.R. 174	Anderson	92,93,94,95,00,05, 17
SV-185	030601030206	34.32931516	-82.64073434	Wilson Creek @ SC 413	Anderson	96,00,05
SV-192	030601030513	34.01368217	-82.46532348	Little River @ SR 19	McCormick	00
SV-199	030601020209	34.81405995	-83.30594619	Chattooga R. @ US 76	Oconee	87,90
SV-201	030601020304	34.68545638	-83.15139469	Chauga R. @ US 76	Oconee	87,90,92
SV-205	030601010801	34.77941015	-82.84855492	Six Mile Creek @ SR 160	Pickens	96,00,05
SV-206	030601010402	34.92112238	-82.71949934	North Fork of Twelve Mile Creek @ US 178	Pickens	96,00,05,17
SV-225	030601020303	34.65731787	-83.18110147	Toxaway Cr. @ SR 34	Oconee	87,90,96,00,05,09,13,15,17
SV-227	030601020204	34.91920428	-83.16871730	Chattooga R. @ SC 28	Oconee	87,90,96,00,10,14, 16
SV-230	030601010202	34.95812944	-82.85319035	Eastatoe Cr. @ SR 143	Pickens	87,90,92,93,94,95,00,18
SV-250	030601060205	33.47825685	-81.90754122	Horse Cr. @ SC 125	Aiken	87,90
SV-286	030601060505	33.38434366	-81.61579683	Upper Three Runs Cr. @ US 278	Aiken	87

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Savannah Basin (Cont.)						
SV-294	030601060105	33.65450800	-82.19938200	Stevens Ck Reservoir Headwaters At Clarks Hill Dam Boat Ramp	McCormick	16
SV-308	030601020204	35.00406389	-83.05442144	East Fork of the Chattooga River @ SC 107	Oconee	96,00,05,15,18
SV-318	030601030609	34.00041676	-82.35216303	Long Cane Cr. @ SR 117	McCormick	87,90,96,00,05,10, 17
SV-323	030601060607	33.37143200	-81.94443500	Savannah Rvr At Lock And Dam	Aiken	16
SV-328	030601060703	33.17596850	-81.48074482	Lower Three Runs Cr. @ SR 20	Barnwell	00
SV-341	030601010202	34.94919541	-82.83309687	Little Eastatoe Creek @ SR 49	Pickens	96,00,05
SV-342	030601010305	34.76653493	-83.02571045	Cane Crk. @ SR 133	Oconee	96,00
SV-343	030601010305	34.76926882	-83.01150169	Little Cane Creek @ SR 133	Oconee	96,00,05,09,13,17
SV-345	030601020505	34.54065349	-82.95809928	Beaver Dam Creek @ SR 66	Oconee	96,00,05
SV-348	030601030512	34.16707309	-82.49539717	Little R. @ SR 32	Abbeville	87,90,96,00,17
SV-349	030601030606	34.21771602	-82.30373968	Long Cane Creek @ SR 159	Abbeville	96,00,05
SV-350	030601060403	33.34300588	-81.82199104	Hollow Creek @ SR 5	Aiken	96,00,10
SV-351	030601070106	33.92417138	-82.17959858	Cuffytown Creek @ SR 138	McCormick	96,00,05,17
SV-353	030601070207	33.79981006	-82.12331455	Beaverdam Crk. @ SR 621	Edgefield	96,05,09,13,14,18
SV-644	030601030508	34.12544145	-82.54991665	Gill Cr. @ SR 32	Abbeville	87,90,96,00,05
SV-650	030601030203	34.36065933	-82.57635176	Rocky R. @ SC 413	Anderson	87,90,96,00
SV-673	030601020403	34.72122399	-83.29638147	Brasstown Cr. @ SR 48	Oconee	87,90,96,00
SV-674	030601020403	34.68186145	-83.32864654	Brasstown Cr dirt rd 300 m fr Tugaloo R	Oconee	87,17
SV-675	030601020301	34.83330445	-83.17459890	Chauga R. @ SR 193	Oconee	87,90,96,00
SV-676	030601010202	35.04531765	-82.80258772	Rocky Bottom Cr. @ US 178	Pickens	87,90,96,00,05
SV-678	030601030512	34.11058799	-82.51115649	Little R. @ SC 72	Abbeville	87,90
SV-679	030601060204	33.56796137	-81.87216178	Little Horse Cr. @ SR 33	Aiken	87,90
SV-680	030601060502	33.47626621	-81.58844661	Upper Three Runs Cr. @ SR 113	Aiken	87,90,92,93,94,95, 96,00,05,10
SV-681	030601060502	33.43109272	-81.60560523	Upper Three Runs Cr. @ SR 114	Aiken	87,90
SV-683	030601010801	34.75604223	-82.85782896	Wildcat Cr. @ Clemson U. Rec. off SC 133	Pickens	93,94,95,00,05
SV-684	030601010301	34.92350489	-83.07934638	Crane Cr. @ Winding Stairs Rd.,	Oconee	93,94,95,00,05
SV-687	030601090107	32.55629200	-81.28399400	Savannah River @ Stokes Bluff Landing	Hampton	16
SV-688	030601060105	33.57346800	-82.06122900	Savannah River Above Stevens Creek	Edgefield	16
SV-690	030601060806	33.05120900	-81.55119200	Savannah River @ Little Hell Landing	Allendale	16
SV-691	030601060607	33.26811800	-81.83422500	Savannah River @ Jackson Landing	Aiken	16
SV-723	030601060501	33.45354884	-81.64283406	Cedar Crk. @ SR 79	Aiken	96,00,05,10
SV-724	030601060204	33.56351135	-81.87394817	Little Horse Crk. @ SR 104	Aiken	96,00,05,09,10,13, 18
SV-725	030601070306	33.64634220	-81.97530795	Cheves Creek @ SR 34	Edgefield	96,00,05

Macroinvertebrate Community Monitoring Sites and Years Sampled

Station	HUC12	Latitude	Longitude	Location	County	Years Sampled
Savannah Basin (Cont.)						
SV-726	030601070305	33.65135186	-82.07409046	Horn Creek @ SR 143	Edgefield	96,00
SV-727	030601070206	33.87595386	-82.07522403	Rocky Crk. @ SR 61	Edgefield	96,05,14w, 14s
SV-728	030601070205	33.86856833	-82.01561615	Log Creek @ SR 315	Edgefield	96,00,05,14
SV-729	030601070203	33.88125195	-81.96841164	Turkey Creek @ SR 100	Edgefield	96,00,05
SV-730	030601070107	33.88510342	-82.24473260	Rocky Crk. @ SR 87	McCormick	96,00,05,13,14
SV-731	030601070103	33.94406062	-82.22036574	Hard Labor Creek @ SR 23	McCormick	96,00,05,10
SV-732	030601030607	34.13079243	-82.30362745	Big Curly Tail Creek @ US Forest Rd 509	Abbeville	96,00,05
SV-733	030601030501	34.30965101	-82.43712832	Hogskin Creek @ SC 184	Abbeville	96,00,05
SV-734	030601030603	34.20133960	-82.28861070	Johns Creek @ SR 159	Abbeville	96,00,05,17
SV-735	030601010702	34.62754357	-82.74641559	Three and Twenty Creek @ SR 29	Anderson	96,00,05
SV-738	030601010406	34.78052962	-82.74937340	Golden Creek @ Golden Crk. Rd.	Pickens	96,00,05,17
SV-739	030601010407	34.80283496	-82.74990751	Twelve Mile Creek @ SR 137	Pickens	96,00
SV-740	030601010405	34.81400891	-82.73807596	Rices Creek @ SR 158	Pickens	96,00,05,17
SV-741	030601010202	35.04759288	-82.81235281	Eastatoe Creek @ SR 237	Pickens	96,00,05
SV-742	030601010303	34.84058078	-82.98948164	Oconee Creek @ SR 129	Oconee	96,00,05
SV-743	030601010301	34.86237861	-82.99333555	Flat Shoals River @ SR 129	Oconee	96,00,10,14,16,18
SV-744	030601090301	32.55193254	-81.16721385	Cypress Branch @ US 321	Jasper	96,00,05,10,13,17
SV-745	030601060902	32.95846493	-81.46301025	Briar Crk. @ S-102	Allendale	96,00,05,09,13
SV-790	030601020502	34.60985103	-83.09467360	Tributary of Choestoea Crk. @ SR 429	Oconee	00,17
SV-791	030601030202	34.50249196	-82.58302807	Broadway Crk. @ SR 48	Anderson	00,17
SV-792	030601020204	34.98577998	-83.07289724	East Fork Chattooga River 300 meters downstream of Hatchery Outfall	Oconee	00
SV-800	030601060601	33.50981700	-81.99515100	Savannah River @ N. Augusta St. Park	Aiken	16
SV-801	030601060805	33.19831800	-81.75672200	Savannah River @ Steel Creek	Barnwell	16
SV-803	030601060905	32.99824300	-81.49095400	Savannah River @ Johnson's Landing	Allendale	16
SV-824	030601020204	34.98560000	-83.06860000	East Fork Of The Chattooga Upstream Of 1st Bridge On Fish Hatchery Rd.	Oconee	15

G. Fish Tissue Monitoring Site Descriptions

BROAD RIVER BASIN

CL-100	LAKE ROBINSON	GREENVILLE
B-114	LAKE BOWEN NEAR SC 9	SPARTANBURG
B-222	BROAD RIVER @ SEC RD 43 "PICK HILL ACCESS"	CHEROKEE
B-345	PARR RESERVOIR	NEWBERRY
B-327	LAKE MONTICELLO	FAIRFIELD
B-311	BROAD RIVER @ I-20	RICHLAND

CATAWBA-WATEREE BASIN

CW-197	LAKE WYLIE ABOVE MILL CREEK	YORK
CW-016	CATAWBA RIVER @ SC 9	LANCASTER
CW-057	FISHING CREEK RESERVOIR NEAR DAM	CHESTER
CW-033	CEDAR CREEK RESERVOIR	FAIRFIELD
CW-034	CEDAR CREEK RESERVOIR TAILRACE	LANCASTER
CW-207	LAKE WATEREE NEAR SEC RD 291	FAIRFIELD
CW-214	WATEREE RIVER @ I-20	KERSHAW
CW-206	WATEREE RIVER @ US 378/76	SUMTER

CONGAREE RIVER BASIN

C-007	CONGAREE RIVER @ US 601	CALHOUN
C-046	SEQUICENTENNIAL STATE PARK	RICHLAND

EDISTO RIVER BASIN

E-585	SOUTH EDISTO RIVER @ AIKEN STATE PARK	AIKEN
E-014	EDISTO RIVER @ US 15 (T COKE WEEKS LDG.)	DORCHESTER
E-015	EDISTO RIVER @ SC 61 (GIVHANS FERRY LDG.)	DORCHESTER
MD-119	EDISTO R. BELOW HWY 17 (WEST BANK LDG.)	COLLETON
CSTL-120	LITTLE SALKEHATCHIE @ SEC RD 63	COLLETON
CSTL-561	COMBAHEE RIVER @ SEC RD 756	COLLETON
CSTL-048	COMBAHEE R. ABOVE HWY 17 (STEEL BRIDGE)	BEAUFORT
CSTL-077	COOSAWHATCHIE RIVER @ SEC RD 36	JASPER
CSTL-069	ASHEPOO RIVER @ HWY 17	COLLETON
CSTL-560	ASHLEY RIVER @ DORCHESTER STATE PARK	DORCHESTER

ESTUARY SITES

MD-785	UPPER CAPE ROMAIN	CHARLESTON
MD-786	LOWER CAPE ROMAIN NEAR MUDDY BAY	CHARLESTON
MD-787	LOWER CAPE ROMAIN NEAR WHITE BANKS	CHARLESTON
MD-788	CHARLESTON HARBOR	CHARLESTON
MD-789	ASHLEY RIVER	CHARLESTON

MD-790	LOWER WANDO RIVER	CHARLESTON
MD-791	ACE BASIN NEAR EDISTO BEACH	COLLETON
MD-792	ACE BASIN NEAR COMBAHEE RIVER	COLLETON
	COOPER RIVER	CHARLESTON

PEE DEE RIVER BASIN

PD-043	POCOTALIGO RIVER @ SEC RD 50	CLARENDON
PD-327	LAKE HB ROBINSON	CHESTERFIELD
PD-071	LYNCHES RIVER @ HWY 15	LEE
PD-624	LYNCHES RIVER @ US 52	FLORENCE
CSTL-553	WACCAMAW RIVER @ SC 31	HORRY
MD-144	WACCAMAW RIVER @ TODDVILLE	HORRY
CSTL-557	WACCAMAW RIVER @ BUCKSPORT LANDING	HORRY
MD-141	WACCAMAW RIVER @ HAGLEY LANDING	GEORGETOWN
CSTL-558	INTRACOASTAL WATERWAY @ SOCASTEE	HORRY
PD-012	GREAT PEE DEE RIVER @ SC 9/US 1	CHESTERFIELD
PD-028	GREAT PEE DEE RIVER @ SC 34	DARLINGTON
PD-623	BLACK CREEK @ SC 327	FLORENCE
PD-337	GREAT PEE DEE RIVER @ HWY 301	MARION
PD-621	GREAT PEE DEE RIVER @ STAPLES LAKE	WILLIAMSBURG
CSTL-559	GREAT PEE DEE R. ABOVE HWY 701 BRIDGE	HORRY
PD-663	GREAT PEE DEE RIVER @ SAMWORTH WMA	GEORGETOWN
PD-618	LITTLE PEE DEE RIVER @ FLOYDALE BRIDGE	DILLON
PD-664	LUMBER RIVER @ CAUSEY LANDING	HORRY
PD-038	LUMBER RIVER @ RICEFIELD COVE	HORRY
PD-619	LITTLE PEE DEE RIVER @ GALAVANTS FERRY	MARION
PD-620	LITTLE PEE DEE RIVER @ HWY 378	HORRY
PD-350	LITTLE PEE DEE R. @ PUNCHBOWL LANDING	HORRY
PD-626	BLACK RIVER @ PUMPHOUSE LANDING	WILLIAMSBURG
PD-659	BLACK RIVER @ OLD PUMP STATION	GEORGETOWN
PD-661	BLACK RIVER @ PRINGLE'S FERRY	GEORGETOWN
PD-628	SAMPIT RIVER @ INTERNATIONAL PAPER	GEORGETOWN

SALUDA BASIN

S-169	SALUDA R. @ PELZER "TIMMERMAN RAMP"	ANDERSON
S-131	LAKE GREENWOOD @ US 221	GREENWOOD
S-105	SALUDA RIVER @ SC 395	NEWBERRY
S-223	LAKE MURRAY @ SC 391	SALUDA
S-273	LAKE MURRAY @ DAM	LEXINGTON

SANTEE BASIN

ST-529	LAKE MARION @ LOW FALLS LANDING	CALHOUN
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ST-519	LAKE MARION @ RIMINI	SUMTER
ST-024	LAKE MARION @ WYBOO CREEK	CLARENDON
ST-528	SANTEE RIVER @ US 52 (HWY 52 LANDING)	WILLIAMSBURG
ST-001	SANTEE RIVER @ SC 41/US 17A	BERKELEY
ST-005	NORTH SANTEE RIVER @ POLE YARD	GEORGETOWN
ST-006	SOUTH SANTEE RIVER ABOVE US 701/17	CHARLESTON
CSTL-079	DIVERSION CANAL	BERKELEY
ST-531	LAKE MOULTRIE @ HATCHERY LANDING	BERKELEY
CSTL-080	LAKE MOULTRIE @ DAM	BERKELEY
CSTL-062	COOPER RIVER @ US 17A	BERKELEY
MD-217	DURHAM CREEK	BERKELEY
CSTL-564	EAST FORK OF COOPER R. NEAR QUINBY CR.	BERKELEY
MD-042	COOPER RIVER @ BUSHY PARK	BERKELEY
ST-032	GOOSE CREEK RESERVOIR	BERKELEY

SAVANNAH BASIN

SV-599	TUGALOO LAKE	OCONEE
CL-015	LAKE YONAH	OCONEE
SV-313	LAKE JOCASSEE @ END OF SEC RD 25	OCONEE
SV-311	LAKE KEOWEE @ CANE CREEK ACCESS	OCONEE
CL-017	LAKE KEOWEE AT NUCLEAR PLANT NEAR DAM	OCONEE
SV-107	LAKE HARTWELL @ 12 MILE CREEK	PICKENS
SV-106	LAKE HARTWELL @ MARTIN CREEK	PICKENS
CL-005	LAKE SECESSION @ DAM	ABBEVILLE
CL-096	LAKE RUSSELL @ VAN CREEK	ABBEVILLE
CL-097	LAKE RUSSELL @ DAM	ABBEVILLE
CL-040	LAKE THURMOND @ BOBBY BROWN STATE PK	MCCORMICK
SV-688	SAVANNAH RIVER ABOVE STEVENS CREEK	EDGEFIELD
SV-531	LANGLEY POND	AIKEN
SV-691	SAVANNAH RIVER @ JACKSON LANDING	AIKEN
SV-690	SAVANNAH RIVER @ LITTLE HELL LANDING	ALLENDAL
SV-687	SAVANNAH RIVER @ STOKES BLUFF LANDING	HAMPTON
MD-118	NEW RIVER @ SC 170	JASPER

H. Shellfish Station Descriptions Listed by Area

Shellfish Management Area 01
WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
01-01	Little River Jetty
01-02	Mouth of Dunn Sound Creek
01-05	Big bend up Dunn Sound Creek
01-06	Bridge to Waites Island
01-07	Hog Inlet
01-17	42nd Avenue - Cherry Grove
01-17A	53rd Avenue Bridge on Canal
01-18	Dunn Sound at Hog Inlet
01-19	53rd Avenue at Main Creek

(9 Active)

Shellfish Management Area 02
WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
02-01	White Point Swash
02-02	Singleton Swash
02-03	Canepatch Swash
(3 Active)	

Shellfish Management Area 03
WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
03-01	Withers Swash
03-02	Midway Swash - Pebble Beach

(2 Active)

Shellfish Management Area 04

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
04-01	Main Creek at Atlantic Avenue Bridge
04-02	Main Creek at Mickey Spillane's Home
04-03A	In Main Creek, on the Southeast Side of the Prohibited Area near Captain Dick's Marina
04-03B	In Main Creek, on the Northwest Side of the Prohibited Area Near Captain Dick's Marina
04-04A	Garden City Canal due east of Flagg Creek
04-04B	Northern boundary of Marlin Quay Marina closure zone in Main Creek
04-04C	Western boundary of Marlin Quay Marina closure zone in Main Creek
04-06	Allston Creek at Weston Flat
04-07	Allston Creek Public Oyster Ground - Hughes Landing
04-08	Parsonage Creek at Nance's Dock
04-08A	Oyster (Carr) Landing at Huntington Beach Station Park
04-09	Clubhouse Creek at Litchfield Boulevard Bridge
04-10	Shell Avenue and Pawley's Island Creek
04-11	North Causeway Bridge at Pawley's Island Creek
04-12	South Causeway Bridge at Pawley's Island Creek
04-13	Pawley's Inlet
04-14	Dock - End of Sportsman Boulevard
04-15	Midway Inlet
04-16	Parsonage Creek at Chicken Farm Ditch
04-17A	Southwest Corner of the Voyager View Marina Prohibited Zone in Parsonage Creek
04-18	North Boundary of Clambank Flats POG
04-19	Clubhouse Creek - First Bend South of Salt Marsh Cove
04-21	South Pawley's Island Boat Landing
04-23	Main Creek at Oyster Cover
04-24	Oaks Creek at First Curve
04-25	Main Creek at Flagg Creek
04-26	Garden City Canal at the "Old Boat Wreck"
04-27	Main Creek, Opposite Entrance to Mt. Gilead Canal
04-28	Oak's Creek, Approx. 150 Meters from the Huntington Beach State Park Causeway
04-29	Oyster Cove, South Branch
04-30	Oyster Cove, North Branch
04-31	Woodland Creek, 100 meters east of mainland
04-32	Oak's Creek at Brigham Hole

(33 Active)

Shellfish Management Area 05
WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
05-01	Jones Creek at Nancy Creek
05-02	Noble Slough
05-03	North Inlet
05-04	Town Creek at Debidue Creek
05-05	Oyster Bay near Cutoff Creek
05-06	No Man's Friend Creek at Mud Bay
05-07	Jones Creek at Mud Bay
05-08	Town Creek at Sixty Bass Creek
05-09	Town Creek at Southern Reach of Clambank Creek
05-10	Jones Creek at Duck Creek
05-11	Town Creek at Bread and Butter Creek
05-12	Old Man Creek and Sea Creek Bay
05-13	Debidue Creek at Boat Basin
05-14	Mid Channel Island, Bly Creek
05-15	Debidue Creek and Cooks Creek
05-16	Debidue Creek and Bass Hole Bay
05-20	Winyah Bay Main Channel, Buoy 19a, Range E
05-21	Winyah Bay Main Channel, Buoy 17, Range E
05-24	Winyah Bay Main Channel, Coast Guard Dock, Range C
05-25	Winyah Bay, Tip of Western Channel Island

(20 Active)

Shellfish Management Area 06A
WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
06A-01	South Santee River at Alligator Creek
06A-01A	South Santee River near the midpoint of Grace Island
06A-02	South Santee Inlet
06A-03	North Santee River at Beach Creek
06A-04	North Santee Inlet
06A-04A	North Santee Bay - E of Cane Island
06A-04B	North Santee River - SW of Cane Island
06A-04C	North Santee River near the northwestern tip of Cane Island
06A-05	North Santee River and Mosquito Creek
06A-11	Atlantic Intracoastal Waterway at Minum Creek

(10 Active)

Shellfish Management Area 06B **WATER QUALITY SAMPLING STATIONS DESCRIPTION**

<u>Station</u>	<u>Shellfish Station Description</u>
06B-06	Alligator Creek and Ocean Inlet
06B-06A	North End of Cape Romain Harbor
06B-07	Alligator Creek at Marker #26
06B-08	Casino Creek at Marker #29
06B-09	Dupree Creek - 500 feet N. of new dock (South of Marker #30)
06B-10	AIWW at Marker #32
06B-12	Alligator Creek State Shellfish Ground
06B-15	Casino Creek at Cape Romain Harbor
06B-16	Casino Creek midway between Stations 19 and 24 (at small unnamed creek on right, southbound)
06B-17	Congaree Creek at Tower Creek
06B-18	Confluence of Dupree Creek and Clubhouse Creek
06B-19	Confluence of Casino Creek and Skrine Creek
06B-19A	Casino Creek midway between Stations 06B-19 and 06B-16, at unnamed creek
06B-20	1,000 yards up Dupree Creek from Clubhouse Creek
06B-21	Confluence of Alligator Creek and Ramhorn Creek
06B-22	Confluence of Ramhorn Creek and Mill Creek
06B-22A	Mill Creek at Ramhorn Creek
06B-23	Confluence of Skrine Creek and Congaree Boat Creek
06B-24	Confluence of Casino Creek and Congaree Boat Creek
06B-25	Confluence of Horsehead Creek and Unnamed Creek at lower end of Horsehead Island
06B-26	Confluence of Skrine Creek and unnamed creek north of Muddy Bay
06B-27	Confluence of the first large creek on the left, with Congaree Boat Creek, traveling SE of Station #23

(22 Active)

Shellfish Management Area 07 **WATER QUALITY SAMPLING STATIONS DESCRIPTION**

<u>Station</u>	<u>Shellfish Station Description</u>
07-01A	Venning Creek at Bulls Bay
07-02	Graham Creek at Marker #64
07-02A	Graham Creek and Bulls Bay
07-03	Awendaw Creek at Marker #57
07-04	Harbor River at Marker #48
07-04A	Harbor River at Bulls Bay
07-05	Tibwin Creek at Marker #42
07-06	Five Fathom Creek at Marker #20
07-06A	Five Fathom Creek at Bull River
07-08	Clubhouse Creek-1/4 mile north of Five Fathom Creek
07-08A	Oyster Bay at Muddy Bay
07-09	Confluence of Doehall Creek with AIWW - north of Marker #46
07-14	Doehall Creek – third bend at the dock
07-15	Sandy Point Creek at fourth bend
07-16	Confluence of Romain River & Santee Path Creek
07-17	Second small creek north of Marker #26 in Five Fathom Creek
07-18	Marker #65 in AIWW
07-19	AIWW at Confluence with Unnamed Creek, 1.5 miles Southwest of Graham Creek
07-20	Bulls Bay - 1,000ft from Confluence with Graham Creek
07-21	AIWW, midway between Tibwin creek and Matthews Creek
07-22	Tibwin Creek past the first bend, at first small creek on the right.

(21 Active)

Shellfish Management Area 08

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
08-01	Morgan Creek at northernmost confluence with AIWW - adjacent to Marker #115
08-02	Hamlin Sound
08-03	Dewees Inlet at AIWW - North of Marker #110
08-04	Bull Yard Sound - Marker #104
08-06	Mark Bay - Marker #90
08-06A	Unnamed Creek East of Marker #90 at Fork
08-09	Moore's Landing Dock - At Marker #74
08-10	Marker #116 north of Isle of Palms STP outfall in AIWW
08-14	Dewees Island - 1/4 mile up Horsebend Creek
08-16	Confluence of Seven Reaches and Gray Bay
08-17	S.W. Copahee Sound at Porcher Bluff Creek
08-18	One-half mile up Cedar Creek from Dewees Inlet
08-19	Confluence of Toomer Creek at Copahee Sound
08-20	Upper reaches Whiteside Creek
08-21	Upper reaches Clawson Creek
08-22	Confluence of Capers Creek and Santee Pass
08-25	Palmetto Point Creek (adjacent to Marker #84)
08-27	Northern Hamlin Sound
08-28	Summerhouse Creek at Bull Island Ferry Dock
08-29	Anderson Creek at the Bull Island Ferry Channel

(20 Active)

Shellfish Management Area 09A

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
09A-01	Hamlin Creek at its confluence with AIWW
09A-02	Upper end of Hamlin Creek at POG
09A-03	Upper end of Swinton Creek
09A-06	Inlet Creek and Gentide Creek
09A-07	Inlet Creek at its confluence with AIWW
09A-09	Ben Sawyer Bridge
09A-11	End of 10th Street at Hamlin Creek
09A-14	Swinton Creek at its confluence with AIWW
09A-17	Conch Creek State Shellfish Ground - Mt. Pleasant side
09A-17A	Conch Creek State Shellfish Ground - Sullivans Island side
09A-18	AIWW adjacent to Wild Dunes Golf Course storm drainage outfall
09A-19	AIWW at 25th Street - Isle of Palms
09A-20	Conch Creek at Lofton Creek
09A-23	Upper reaches of Conch Creek
09A-24	Upper reaches of Inlet Creek
09A-25	Upper reaches of Swinton Creek
09A-26	Hamlin Creek 1/2 way between Stations 1 and 2
09A-28	Swinton Creek west of AIWW at second bend
09A-29	Lower Hamlin Creek at site of new bridge (Isle of Palms Connector)
09A-32	First creek on right downstream from Station 6
09A-35	300 yards upstream from Station 6
09A-36	Conch Creek at its confluence with AIWW
09A-37	Lower Conch Creek at Marina Closure Zone

(23 Active)

Shellfish Management Area 09B
WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
09B-01	Wando River at Nowell Creek
09B-02	Wando River at Horlbeck Creek
09B-04	Wando River at Deep Creek
09B-05	Wando River opposite Big Paradise Island
09B-07	Boone Hall Creek opposite County Recreation Area
09B-08	Wando River at Marker #29
09B-09	Deep Creek - 1 mile from confluence with Wando River
09B-11	Wando River at Guerin Creek
09B-12	Guerin Creek at Old House Creek
09B-15	New bridge- Route I-526
09B-16	Confluence of Martin Creek and Nowell Creek
09B-17	Wando River midway between Stations 3 and 11(at old dry dock)
09B-18	Rat Hall Creek at confluence with Wando River.
09B-19	Foster Creek at Confluence with Wando River
09B-21	Horlbeck Creek at power line crossing
09B-22	Wando River a Marker #27
09B-23	Wando River at Marker #20
09B-24	Wando River at Marker #13

(18 Active)

Shellfish Management Area 10A

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
10A-02	Folly Creek Bridge
10A-04	Backman Creek at Folly Creek
10A-05	King Flats and Folly Creek
10A-06	Opposite Little Island in Folly Creek
10A-07	North boundary of Prohibited Area at Folly Marina
10A-08	Folly River Bridge
10A-09	Last dock north in Folly River
10A-10A	Robbins Creek at the first bend upstream from Cutoff Reach
10A-11	Rat Island Creek at confluence with first creek on left from Lighthouse Creek
10A-13	Lighthouse Creek at confluence with Folly Creek
10A-15	Secessionville Creek at private docks
10A-15A	Folly Creek at confluence with Secessionville Creek
10A-16	Clark Sound at Ocean View Flats
10A-16B	Clark Sound, 550 yards East of the confluence of Fludd's Creek and Clark Sound
10A-18	Mouth of Schooner Creek
10A-19	Just inside Clark Sound from Schooner Creek
10A-22	Folly River State Shellfish Ground opposite Folly Island
10A-23	Lighthouse Creek State Shellfish Ground at mouth of First Sister Creek
10A-24	Cole Creek State Shellfish Ground
10A-29A	Block Island Creek at the Flats
10A-30	Rat Island Creek at the second bend
10A-32	Block Isl. Creek - 100 yds S. of split from spoil area
10A-33	Confluence of Lighthouse Creek and Clark Sound
10A-34	The first dock in Secessionville Creek at its confluence with Clark Sound
10A-34A	Lighthouse Creek at Secessionville Creek and Clark Sound
10A-35	Right fork of Schooner Creek, middle of Docks, across from Parrot Point Development
10A-36	Unnamed creek at Fork near Riverfront Subdivision
10A-37	Folly Creek at Oak Island Creek

(28 Active)

Shellfish Management Area 11

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
11-01	Elliott Cut at Stono River
11-02A	Stono River - southern boundary of the marina closure zone, south of Hwy. 700 Bridge
11-03	Docks between Markers 10 & 11 in Stono River
11-05	Mouth of Abbapoola Creek
11-06	Abbapoola Creek at first large bend
11-06A	Abbapoola Creek at Confluence with Small Creek on West Bank at Seventh Bend
11-07	Green Creek at Stono River
11-07A	Green Creek, Four Bends Upstream of Station 11-07
11-08	Mouth of Kiawah River
11-11	Stono River (AIWW) at Marker #21A
11-12	Stono River (AIWW) at Marker #27
11-15	Stono River (AIWW) at Marker #63
11-16	Stono River (AIWW) at Marker #51
11-17	Stono River (Log Bridge Creek) at Marker #54
11-18	Confluence of Rantowles Creek and Stono River
11-21	South Kiawah River on the flats
11-22	Kiawah River POG at Mingo Point
11-23	Captain Sams Creek and Kiawah River
11-27	Stono River at mouth of Penny Creek near Marker #25
11-28	Mullet Hall Creek 150 yards from mouth at fork
11-30	Kiawah River at mouth of Bryans Creek
11-31	Bass Creek at confluence with Kiawah River
11-32	Bass Creek at confluence with Cinder Creek
11-33	Sol Legare Boat Landing
11-34	Cinder Creek at Public Dock (3rd bend from confluence with Bass Creek)
11-35	Bass Creek at Public Dock (5th bend from confluence with Cinder Creek)

(26 Active)

Shellfish Management Area 12A

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
12A-09	Adams Creek at Bohicket Creek
12A-11A	Adams Creek, North of Adams Creek Marina
12A-13	Bohicket Creek at Fickling Creek
12A-13A	Bohicket Creek at Bloody Point
12A-20	Bohicket Creek opposite Hoopstick Island
12A-21	Opposite old dam behind Rast House Restaurant
12A-22	Opposite Boy Scout Camp
12A-29	Raven Point Creek at confluence with Church Creek
12A-31	Southwest Boundary of Prohibited Area At Bohicket Marina
12A-32	Privateer Creek up 1/2 mile at fork
12A-38	Drainage discharge 1/8 mile east of power lines, north bank of Church Creek
12A-40	Pine Creek at first fork
12A-41	Confluence of Church Creek and New Cut
12A-46	Bohicket Creek midway between Stations 21 and 22 at small, unnamed tributary on west bank

(14 Active)

Shellfish Management Area 12B

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
12B-01	Mouth of Church Creek, Marker #77
12B-02	Goshen Point, Marker #69
12B-04	Toogoodoo Creek at confluence with AIWW, Marker #102
12B-05	Dawho Creek, Marker #110
12B-06	Steamboat Creek, Marker #2
12B-07	Westbank Creek at North Edisto River, opposite Leadenwah Creek
12B-09	Dawho River at Marker #119
12B-10	South Boundary of Prohibited Area at Metal Trades Dock
12B-12	Leadenwah Creek 1 mile from confluence of North Edisto River
12B-30	Tom Point Creek at Park Island
12B-34	Toogoodoo Creek SSG at last creek before fork
12B-35	Public Boat Ramp, Lower Toogoodoo Creek
12B-36	Confluence of Tom Point Creek and North Edisto River
12B-37	Confluence of Steamboat Creek and Russell Creek
12B-42	Headwaters of Ocella Creek
12B-43	Russell Creek at estuary entering Sunbelt Clam Farms
12B-43A	Russell Creek near Creek Farm Rd.
12B-44	Toogoodoo Creek midway between Stations 4 and 34
12B-45	Toogoodoo Creek at the second bend past the confluence with Lower Toogoodoo Creek
12B-51	Wadmalaw Sound at day beacon #80
12B-52	Confluence of Whooping Island Creek and Steamboat Creek
12B-53	Dawho River, Marker #126
12B-54	Tom Point Creek, 3 bends upstream of Station 30
12B-55	Leadenwah Creek, at third bend after Station 12B-12
12B-56	Leadenwah Creek, after fourth bend at the fork
12B-57	Oscella Creek at fork
12B-58	Westbank Creek at first bend

(27 Active)

Shellfish Management Area 13 **WATER QUALITY SAMPLING STATIONS DESCRIPTION**

<u>Station</u>	<u>Shellfish Station Description</u>
13-01	Scott Creek at The Mound
13-02	Mouth of Big Bay Creek
13-03	Mouth of St. Pierre Creek
13-04	St. Pierre Creek at Peters Pt.
13-05	Fishing Creek at Sandy Creek Confluence of Shingle Creek and Bailey Creek
13-08	Edisto River at Ashepoo River Russell Creek at Area 12/13 boundary
13-10	Fishing Creek at Pollution Line
13-13	Mouth of Fish Creek at Otter Island & Atlantic Ocean
13-15	Headwaters of Pine Island Creek at the fork
13-20	Northern confluence of Alligator Creek and S. Edisto River
13-21	Big Bay Creek. Headwaters at first bend to right past the Neck
13-22	Headwaters of Scott Cr. At Jeremy Inlet at the boat landing
13-23	Jeremy Inlet at Atlantic Ocean
13-24	Frampton Inlet at north end of Jeremy Cay
13-26	4,00ft From the Confluence of Fish Creek and Atlantic Ocean at First "T" in Fish Creek
13-29	Bailey Creek, First Bend Adjacent to Bluff on Bailey Island (Near Confluence with St. Pierre Creek)
13-30	Bailey Creek at Confluence with unnamed Tributary near southwestern point of Scanawah Island
13-31	Bailey Creek at confluence with South Edisto River
13-31A	Approximately 1000 feet Southwest of Station 13-31
13-32	South Edisto River at western boundary of 1000' Restricted radius around Station 02 (confluence of Big bay Creek)

(20 Active)

Shellfish Management Area 14

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
14-02	Campbell Creek at Whale Branch
14-04	Bull River Inlet and Coosaw River
14-05	Combahee River Inlet and Coosaw River
14-08	Ashepoo River at St. Helena Sound - Black Can Buoy
14-09	St Helena Sound at Morgan Back Creek
14-10	parrot Creek and Coosaw River, marker #1
14-11	Sam's Point and Coosaw River
14-12A	Confluence of Coosaw River and whale Branch
14-13	Halfmoon Creek at Whale Branch
14-13A	First split on Halfmoon Creek on the southern side of Browns Island
14-14	Huspah Creek at Railroad Trestle
14-16A	2000 Feet Southeast of Mouth of Fish Creek
14-18	Huspah Creek at Bull Point - Whale Branch Public Oyster Ground
14-19	Ashepoo River Public Oyster Ground
14-20	Cut Between the S. Edisto River & the Ashepoo River
14-21	Confluence of Mosquito Creek and Ashepoo River
14-22	Whale Branch River 200 meters ENE of SSR.R. Trussell

(17 Active)

Shellfish Management Area 15

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
15-01	Brickyard Creek at Range Marker
15-01A	McCalleys Creek at Pawkie Island
15-02	Mulligan Creek at Brickyard Creek
15-03	Mouth of Albergotti Creek and Brickyard Creek
15-03A	Albergotti Creek 1.0 miles upstream of Station 15-03
15-03B	Albergotti Creek 700 feet SE of MCAS Hunt Club Fishing Pier
15-04	Factory Creek – near Marker “G223”
15-05	Beaufort River – Downtown Marina 500 feet Northwest of Marker “G239”
15-06	Mouth of Battery Creek and Beaufort River near Marker “R42”
15-10	Battery Creek at Five Points Creek
15-15	Ballast Creek at Beaufort River
15-16	Station Creek at Beaufort River
15-17	Cat Island Creek at Cowen Creek
15-18	Second Middle Marsh in Cowen Creek
15-19	Battery Creek 1000 feet below Rabbit Island
15-20	Capers Cr SSG at Penn Community Srvcs Retreat Ctr
15-21	Unnamed Creek at (former) discharge of BC High and Cherry Hill High
15-23	Distant Island State Shellfish Ground
15-24	Battery Creek - SC HWY 280 Bridge
15-25	Battery Creek - Dowlingwood tributary
15-26	Battery Creek - Picket Fence tributary
15-27	Battery Creek - Cherry Hill tributary
15-28	Battery Creek - Storm water outfall under RR track
15-29	Battery Creek - Tributary on R side before Battery Shores
15-30	Battery Creek - Cottage Farms Community Dock
15-33	McCalley Creek - 0.5 miles upstream of 15-01A
15-34	Wallace Creek – ~ 1.0 mile downstream of the public Boat ramp

(27 Active)

Shellfish Management Area 16A **WATER QUALITY SAMPLING STATIONS DESCRIPTION**

<u>Station</u>	<u>Shellfish Station Description</u>
16A-08	Morgan River at Village Creek
16A-09	Edding Creek at Morgan River
16A-10	Parrot Creek at Morgan River
16A-11	Jenkins Creek at Morgan River
16A-13	Lucy Point Creek at Rocky Springs Creek
16A-13A	South Edge of Lucy Point Creek CSZ at Pollution Line
16A-13B	North Edge of Lucy Point Creek CSZ at Pollution Line
16A-14	Doe Cr Behind Coastal Seafood - Behind Dataw Island
16A-19	Upper Reaches Rock Springs Creek
16A-23	Edding Cr at Small Tributary Between Stations 9 and 18
16A-24	Jenkins Creek at Right Turn Between Stations 11 and 14
16A-25	Jenkins Creek at Small Unnamed Tributary North Side of Warsaw Island
16A-27	Mouth of Coffin Creek at Morgan River
16A-33	Lucy Point Creek, approximately 3100 ft west of Station 16A-13B
16A-34	Lucy Point Creek, confluence with tributary on northern bank, approximately 1900 ft south of Station 16A-13
16A-35	Warsaw Flats at confluence with Morgan River
16A-36	Jenkins Creek at southern point of Dataw Island
16A-37	Jenkins Creek at Pollawanna Island boat ramp
16A-38	Village Creek at confluence with unnamed tributary on western bank
16A-39	Sparrow Nest Creek at the Confluence of Morgan River

(20 Active)

Shellfish Management Area 16B **WATER QUALITY SAMPLING STATIONS DESCRIPTION**

<u>Station</u>	<u>Shellfish Station Description</u>
16B-02	Trenchard's Inlet at Mouth of Station Creek
16B-03	Club Bridge Creek at Harbor River Sound
16B-04	Story River at Fripp Island
16B-05	Old House Creek at Fripp Inlet
16B-06	Harbor River at Marker #A-13
16B-06F	Unnamed Creek - Fripp Canal at Old House Creek
16B-17	Station Creek SSG - Beaufort County Landing
16B-20	Two Miles N. of Confluence of Story River & Trenchard's Inlet
16B-21	Unnamed Creek Between Harbor River and Story River
16B-22	Skull Creek at Confluence of Creek Leading to Pritchard's Inlet
16B-26	Old House Creek at Confluence of Two Tributaries in Headwaters Northwest of Fripp Island Marina
16B-29	Midway Stations 3 and 6 at Unnamed Creek Between Story River & Harbor River
16B-31	Johnson Creek at SC Hwy 21 bridge
16B-33	Skull Creek at confluence with Trenchards Inlet
16B-34	Skull Creek, Midway Between Skull Inlet and Trenchards Inlet at Confluence with Large Tributary on NW Side of Skull Creek
16B-35	Skull Creek at Confluence with First Major Creek on Right Heading Inland from Skull Inlet

(16 Active)

Shellfish Management Area 17

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
17-01	Broad River at S.A.L. Railroad Bridge
17-02	Boyd Creek at Broad River
17-03	Broad River at Whale Branch
17-04A	USMC Laurel Bay WWTP Output
17-07	Mouth of Chechessee Creek at Chechessee River
17-08	Chechessee River Bridge
17-09	Mouth of Euhaw Creek at Hazzard Creek
17-10A	Archers Creek 1000 feet west of bridge
17-13	Broad River at Creek below Ballast Creek
17-16	Broad River at Corn Island - Mouth of Creek
17-16A	First Split in Habersham Creek above Station #16
17-17	Hazzard Creek at Chechessee River
17-18	Hazzard Creek at Chelsea Plantation Clubhouse
17-21	Confluence of Middle Creek and Whale Branch
17-22	Confluence of East and West Branch of Boyd Creek
17-22A	West branch of Boyd Creek ~ 2 miles upstream of Station 17-22
17-22B	East branch of Boyd Creek ~ 2 miles upstream of Station 17-22
17-23	Headwaters of Euhaw Creek one mile above Bolin Hall Landing
17-25	Hazzard Creek at Second Right Bend Above Station #17 & 18
17-26	Euhaw Creek ~0.5 miles South of Bolan Hall Landing

(20 Active)

Shellfish Management Area 18
WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
18-01	Okatie River at Camp St. Mary's Dock
18-02	Okatie River Behind Bailey's Oyster Dock
18-03	Chechessee Creek at Okatie River
18-04	Callawassie Creek at Colleton River, Mouth of Creek
18-05	Callawassie Creek at Colleton Creek at Tree Line
18-06	Sawmill Creek at Colleton Creek
18-07	Okatie River at Indigo Plantation
18-08	Okatie River at Dock Without House
18-09	First Unnamed Tributary in Chechessee Creek from Colleton River
18-10	Second Bridge to Callawassie Island
18-11	First Bridge to Callawassie Island
18-12	Series of Unnamed Tributaries in Chechessee Creek
18-13	First Unnamed Tributary to Chechessee Point in Chechessee Creek
18-14	Tributary from Spring Island Shrimp Pond
18-15	Dock at Waddell Mariculture Center
18-16	Okatie River at confluence of Pinkney Colony tributary
18-17	Okatie River at confluence of Cherry Point tributary

(17 Active)

Shellfish Management Area 19

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
19-01	May River South of Palmetto Bluff, Marker #8
19-02	Unnamed Creek at Jack Crow Island in Cooper River
19-02A	Cooper River at New River
19-03	Ramshorn Creek at Cooper River
19-04	Cooper River at Marker #41 - Daufuskie Island
19-05	Bloody Point at Mungen Creek
19-06	Wright River, Marker #43
19-07	Ramshorn Creek at New River
19-08	First Creek on Left up New River at Pollution Line
19-09	Bull Creek at Cooper River
19-11	Bull Creek at Savage Creek
19-12	Bull Creek at May River
19-16	May River Behind Bluffton Oyster Co-op
19-17A	Cooper River Marina at Edge of CSZ
19-18	May River below Drainage Canals at Marker #11
19-19	May River at First Dock in Headwaters past Bluff
19-19A	At unnamed trib near SW corner of Gascoigne Bluff
19-19B	At apex of the curve on the May River near Palmetto Bluff
19-19C	At first named tributary leading from Gascoigne Bluff
19-20	1.5 Miles up Wright River from Fields Cut
19-21	2.5 Miles up New River from Station 19-02a
19-22	Wright River at Fields Cut
19-24	May River at Southern end of Crane Island
19-25	May River at Green Marker #25
19-26	May River SE of Hayward Cove
19-27	Wright River @ confluence with Atlantic Ocean

(26 Active)

Shellfish Management Area 20

WATER QUALITY SAMPLING STATIONS DESCRIPTION

<u>Station</u>	<u>Shellfish Station Description</u>
20-02	Calibogue Sound, Marker #32
20-03	Shark Bank and Broad Creek - CSZ Sea Pines WWTP, Marker #2
20-04A	Broad Creek at Palmetto Bay Marina CSZ
20-05	May River at Calibogue Sound
20-06	Jarvis Creek at Calibogue Sound
20-07	Buckingham Landing at Bridge
20-09	Mackey Creek and Chechessee River
20-10	Skull Creek at Small Creek from Mariner's Cove
20-11	Skull Creek, Marker #19
20-12	Skull Creek Behind Hilton Head Seafood Company
20-13	Skull Creek and Port Royal Sound
20-15A	Broad Creek at Calibogue Sound - North End of Buck Island
20-16	Creek Behind Lynn Smith's Oyster Plant at Broad Creek
20-17B	Broad Creek at Broad Creek Marina CSZ
20-18	Broad Creek at Shelter Cove Marina
20-19A	Broad Creek at Harbor Town Marina CSZ
20-20A	Moss Creek Marina CSZ
20-22	Old House Creek at Calibogue Sound
20-23	First Major "Y" In Jarvis Creek
20-24	First Major Creek Right After Marker #18
20-25	Broad Creek at Confluence of Channel Leading to Old Oyster Factory
20-26	Northwest of S. Beach Marina closure zone at Latitude
20-28	Broad Creek at Southern Boundary of South Island WWTP Prohibited CZ
20-29	Broad Creek at Northern Boundary of South Island WWTP Prohibited CZ

(24 Active)

I. Parameters Sampled at Ambient Groundwater Monitoring Sites

Ambient groundwater monitoring is currently suspended. This section is reserved for future use as needed.

RESERVED

Attachment 1

Standard Operating Procedure for Continuous Monitoring of Ambient Surface Water



SC Department of Health and
Environmental Control

Bureau of Water
Monitoring, Protection, and Assessment Division
Surface Water Monitoring Section

STANDARD OPERATING PROCEDURE
FOR
CONTINUOUS MONITORING
OF AMBIENT SURFACE WATER

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Version: February 2018

**Continuous Monitoring of Ambient Surface Water
Using Multiparameter Water Quality Data Sondes**

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2.0 SCOPE AND APPLICATION

This method is for the use of multiparameter data sondes for unattended measurements of water quality parameters (i.e. temperature, conductivity, salinity, pH, dissolved oxygen, chlorophyll-a, and turbidity) in ambient surface water.

3.0 SUMMARY OF METHOD

A multiparameter data sonde contains several water quality sensors. Each sensor is calibrated and validated prior to sonde deployment. At the end of each deployment, the data sonde is returned to the lab for data download, sensor verification, cleaning, and inspection and maintenance. Calibration and fouling drift corrections are presented along with quality control criteria for accepting or rejecting continuous monitoring data and data reporting requirements. This method is based on the USGS guidelines for continuous monitoring of water quality¹.

4.0 DEFINITIONS

Ambient Surface Water – a surface water body that is outside of defined National Pollutant Discharge Elimination System (NPDES) discharge zones and when the project's objective is not compliance monitoring.

Continuous Monitoring – the unattended measurement of one or more water quality parameters over periods of time from several hours to several weeks.

Data sonde or Sonde – a field monitoring device that includes a water quality sensor array and internal data storage capabilities.

Sensor Guard – a weighted cap with holes used during deployment to help keep the data sonde vertical and to protect the sensors while allowing the free exchange of water over the sensors.

Batch, Record, or Deployment – a series of measurements performed with a single calibration of the instrument.

Quality Assurance Project Plan (QAPP) – guidance document for work performed detailing the field and lab materials and methods, time frame, and quality assurance methods for a project.

5.0 INTERFERENCES

Data obtained by water quality instruments deployed over extended periods of time are subject to both calibration and fouling drift. Calibration drift is inherent to all electrical measurement devices. Fouling drift occurs during long-term deployments when the sensor's measurement surfaces are coated with a build-up of sediment and/or organic matter which affects the accuracy of the measurements.

6.0 PRE-DEPLOYMENT CONSIDERATIONS

- 6.1 Deployment lengths for routine monitoring are typically 2 weeks. The deployment period for a special study varies depending upon the study objectives and are detailed in the QAPP.
 - 6.2 Continuous monitoring sites are also typically grab sample locations. Considerations for sample site selection vary with water body type (river/stream, lake, estuary/coastal water) and include:
 - 6.2.1 Study objectives
 - 6.2.2 Data quality objectives
 - 6.2.3 Tributary locations (rivers/streams, or lakes)
 - 6.2.4 Changes in bed characteristics
 - 6.2.5 Location of saltwater/fresh water boundary and the range and period of the tide in estuarine and coastal systems
 - 6.2.6 Turbulence
 - 6.2.7 Location of man-made structures
- Further details are available in the most recent version of Chapter 7 of the Bureau of Environmental Health Services SOP & Safety Manual: Wastewater Facility and Ambient Monitoring.
- 6.3 Continuous monitoring measurements are typically made at either the same depth below the surface of the water or above the bottom. Therefore, mounting a data sonde to a floating dock or within a moored oceanographic buoy is preferred. Specific deployment depths are addressed in the QAPP.
 - 6.4 Reconnaissance of the study area is required to determine appropriate sample locations. When using a floating dock, determine the location of a dock or docks closest to the preferred sampling station. This frequently means contacting private homeowners and obtaining their permission to use their dock. When deploying a data sonde using an oceanographic buoy, permission must be obtained from the U.S. Coast Guard ATON office in Miami, Florida and the Army Corps of Engineers in the respective district. Both entities will require application forms to be completed including maps and latitude/longitude positions of the planned deployment locations. Decisions on deployment locations should be made at least 2 months prior to any planned continuous monitoring deployment so that appropriate permissions may be obtained and alternative sites selected as needed.
 - 6.5 Steps should be taken to minimize biofouling of the sonde to the extent possible. Copper is a known anti-fouling agent and can be purchased as a roll of tape or copper mesh, for example, and applied to the outside of each sensor as well as used to cover the sensor guard. Detailed instructions for the use of copper tape or mesh are available from the manufacturer of the specific sonde used.

7.0 HEALTH AND SAFETY

A reference file of SDS sheets appropriate to the standards used when calibrating the data sondes is available in the Sims-Aycock Annex Building Room 105A as well as online at G:\COMMON_ANNEX\ANNEX Safety\Laboratory Safety.

8.0 EQUIPMENT AND SUPPLIES

- 8.1 Multiparameter data sondes (e.g. Hydrolab DS5x)
- 8.2 Computer or handheld display unit device (e.g. Hydrolab Surveyor 4a)
- 8.3 Calibration and field data cable
- 8.4 Continuous data logbook
- 8.5 Field logbook
- 8.6 Labeling tape
- 8.7 Permanent markers
- 8.8 Weighted sensor guard
- 8.9 500 to 1,000 mL polypropylene bottle filled with tap water
- 8.10 Sonde repair kit containing spare parts and tools

9.0 REAGENTS AND STANDARDS

Reagents and Standards used during data sonde calibration and verification are listed in the sonde-specific SOP.

10.0 SAMPLE COLLECTION, PRESERVATION, AND STORAGE

Not applicable: This SOP covers in-situ continuous monitoring of water quality measurements.

11.0 PERFORMANCE CRITERIA AND QUALITY ASSURANCE

- 11.1 Initial Demonstration of Capability (IDC): A new employee must be trained on the use of the multiparameter probes by more experienced personnel and then demonstrate proficiency by working through the calibration, validation, and verification steps successfully as detailed in the individual SOPs.
- 11.2 Precision Control: measurement precision for in-situ water quality instruments is accommodated during the measurement stabilization time period. Prior to recording the sensor readings, those readings must be allowed to stabilize to a median value $\pm 10\%$ of the median observed.
- 11.3 Accuracy Checks: Linear calibrations are performed on each of the sonde's probes prior to deployment according to the manufacturer's instructions². Calibration validation checks are performed for LDO, pH, and Conductivity. Temperature is factory calibrated and needs to be checked once each year using a NIST traceable thermometer. Verification checks are performed within 24 hours

of return of the sonde to the lab to check for fouling or instrument calibration drift. Calibration, validation, and verification criteria are listed in the table in Section 15.1.

- 11.4 Failure to meet these criteria during instrument calibration and validation requires that the calibration be performed again and possibly new standards made. A sonde that repeatedly fails calibration is not deployed and is sent to the manufacturer for testing and repair. Post deployment verification is performed prior to cleaning the sonde. If the verification fails the first time, the sonde is cleaned and the verification is performed again. If the sonde fails to verify after cleaning, then post processing of the data for Total Error is performed according to the USGS guidelines¹. If the sonde verifies after cleaning, then the post processing of the data for Fouling Error is performed according to the USGS guidelines¹. Adjusted data may still be used for model development. Post processing steps and evaluation criteria are outlined in Sections 13 and 15.

12.0 PROCEDURE

NOTE: Detailed instructions for the pre-deployment calibration and validation, programming, in-situ depth calibration, and post-deployment verification of a specific data sonde are available in the SOP and User's Manual for that sonde (e.g. Hydrolab DS5X, YSI EXO2).

12.1 Calibration

Continuous monitoring may involve deploying several sondes simultaneously. In order to accommodate calibration, validation, programming, transportation, and deployment times, data sondes are calibrated within 48 hours prior of the beginning of each deployment rather than at start of day.

12.2 Programming for Deployment

At the end of the calibration process, each sonde is programmed to autonomously measure several water quality parameters simultaneously. The data sonde will need to be programmed with the following information:

12.2.1 *The start date/time and end date/time for the deployment.* The start date/time is set so that the sonde begins recording during the morning of the deployment day. The length of time programmed should exceed the anticipated length of the deployment of the sonde. For example, set the start and end date/time to be 4 weeks apart for a planned deployment of 2 weeks. This ensures that data will continue to be collected if weather or other circumstances delay the retrieval of the sonde.

12.2.2 *Sampling interval (dependent upon deployment environment and study requirements).* The sampling interval is the frequency with which the data sonde records the water quality measurements to its internal memory. The sampling interval for routine ambient monitoring is 15 minutes. The

sampling interval for Special Studies varies depending on the objective of the study and is described in the QAPP.

12.2.3 *The selection of water quality parameters to be measured.* This selection will depend on the requirements of the study and the sensors available in the data sonde.

12.2.4 *Logbook Record.* The written record for the deployment of each sonde should include the filename (internal sonde data file), continuous monitoring Station ID, sample interval, program duration (start/stop), and anticipated deployment length. The format for the file name should be the alphanumeric Station ID followed by the 4-digit year, 2-digit month, and 2-digit day (AA-NN-YYYY-MM-DD).

12.3 In the Field

12.3.1 Calibrate depth on the data sonde just prior to placing it in the deployment tube or buoy cage.

12.3.2 Secure the sonde in the dock deployment tube or buoy cage and record the deployment date and time in the Field Logbook. Also, record the retrieval date and time of any sonde removed from that location.

12.3.3 For each continuous monitoring station visited, begin the steps again from 11.3.1.

12.3.4 A mid-deployment inspection of the sonde and download and review of the data can reveal instrument failure, power loss, and other mechanical problems. At that time, batteries may be replaced and any needed repairs may be made in the field. A mid-deployment verification is conducted at this time (Section 12.4.1). Read the data from both sondes and record them in the field logbook.

12.4 Verification

Continuous monitoring sonde verification occurs more than once. The first verification occurs in the field at roughly the mid-point of the deployment.

NOTE: for deployments longer than 2 weeks, this field verification may occur more than once. The second verification occurs when the sonde is returned to the lab at the end of its deployment.

SC DHEC considers data from a single deployment in segments: 1) from initial deployment to field verification, 2) from field to end-of-deployment verification, and 3) between field verifications (if needed).

- 12.4.1 The field verification is a comparison of the current continuous monitoring sonde readings with those of an identical instrument, calibrated that morning, used to collect instantaneous water quality readings at that site.
- 12.4.1.1 If the variance between the continuous monitoring and the instantaneous sonde readings (Section 13.3) are within the calibration criteria (Section 15.1), field personnel record that calculation result in the field logbook and leave the continuous monitoring sonde at its deployment location until the next field verification or the end of its planned deployment.
- 12.4.1.2 If the variance for pH, dissolved oxygen, or conductivity exceed the calibration criteria, then the deployed sonde is pulled from its location. A freshly calibrated spare sonde will be deployed if one is available at that time.
- 12.4.1.3 If the variance for turbidity or chlorophyll *a* exceed the calibration criteria, but the variance for pH, dissolved oxygen, and conductivity are all within the calibration criteria, it is up to the discretion of the field personnel whether or not to retrieve and replace the sonde at that location.
- 12.4.1.4 The instantaneous water quality sonde is verified in the lab at the end of the day. Verification failure is noted and the variance information used during post-processing of Segment 1 data (Section 12.4).
- 12.4.2 Post-deployment verification of the data sondes must be performed within 24 hours of returning the instrument to the laboratory. This pertains to sondes that were retrieved mid-deployment as well as those retrieved at the end of a planned deployment. The verification is first performed prior to cleaning the data sondes. If the verification values fall within the criteria listed in the table in Section 15.1, then no data adjustments will be made, and the data sondes cleaned and stored to be ready for the next deployment.
- 12.4.3 If any of the pre-cleaned verification values fall outside of the stated criteria, then the data sondes will be cleaned, and the verification process performed a second time for any sensors that did not meet the verification criteria. If the post-cleaning verification data falls within acceptable data tolerances, then the data will be adjusted linearly for fouling error as a percent. If the post cleaning verification data falls outside of the acceptable data tolerances, then the data will be adjusted linearly for total error as a percent (see Section 13.0).

12.5 Data Retrieval

- 12.5.1 Once the sonde verification process is complete, stop the current program and transfer the data file stored on the sonde to the common computer drive (G:\COMMON_ANNEX...). Always make sure that the data file

was transferred successfully to the common drive prior to deleting the file from the sonde. This raw data is maintained separately from any post-processing files that are created according to Section 13.0.

13.0 CALCULATIONS, DATA REPORTING, AND QUALITY CONTROL

- 13.1 The data sonde firmware calculates salinity from temperature and conductivity and makes any needed temperature adjustments to DO readings. Notification of updated firmware is pushed to the end-users by the manufacturer and is installed to the data sondes by SC DHEC personnel.
- 13.2 Results are reported as follows. The number of significant digits is dictated by the sensor precision of each measurement. Please see the data sonde-specific SOP.
 - 13.2.1 Temperature – °C
 - 13.2.2 Conductivity – μS/cm
 - 13.2.3 Salinity – PPT (estuarine and salt water systems only)
 - 13.2.4 pH – Standard Units
 - 13.2.5 LDO – mg/L
 - 13.2.6 Chlorophyll *a* – μg/L
 - 13.2.7 Turbidity – NTU

- 13.3 The variance for the calibration and verification criteria is calculated as either a percent (specific conductance, turbidity, and chlorophyll *a*):

$$\% \text{Variance} = [(\text{Measured Value} / \text{Standard Value}) - 1] \times 100 \quad (\text{Eq. 1})$$

or as the difference between the stated standard value and the current sonde measurement. For the mid-deployment verification, the instantaneous measurement sonde reading is used in place of the standard value.

- 13.4 Error propagation is performed on any final calculated quantity reported. The method used depends on the calculation. For sums and differences, the final error reported is the square root of the sum of the squares:

$$R \pm \delta R = (A \pm a) + (B \pm b) + \dots + (I \pm i) \quad (\text{Eq. 2})$$

$$\delta R = \sqrt{a^2 + b^2 + \dots + i^2} \quad (\text{Eq. 3})$$

Where *R* is the sum (or difference), δR is the propagated error value, and $A \pm a$ etc. is each measurement with its associated measurement error.

Mean values are calculated as:

$$\bar{x} = \frac{1}{n} \sum_{i=1}^n x_i \quad (\text{Eq. 4})$$

and

$$\bar{x} \pm \delta R \quad (\text{Eq. 5})$$

where \bar{x} is the mean and δR is calculated from the individual measurement error as shown above.

- 13.5 Initial post processing of the data is conducted according to a modification of the USGS Guidelines for Continuous Monitoring². If the end-of-deployment verification exceeds the calibration criteria listed in Table 15.1, it is processed as described in Sections 13.5.1 to 13.5.5.

13.5.1 Initial Data Evaluation

Verify the accurate transfer of raw field data from the data sonde to a folder on the shared drive (G:\COMMON_ANNEX\...) named for the year in which the data was collected. Evaluate and identify erroneous data.

13.5.2 Removal of Erroneous Data

NOTE: Complete mechanical failure of a sensor or the sonde while deployed is obvious when examining the stored data (see example in Section 15.2). This data is not capable of being post processed and is, therefore, excluded from further review.

13.5.3 Error Calculations

For continuous monitoring data sondes, total error (E_T) is the combination of sensor fouling error (E_f) plus calibration drift error (E_c).

$$E_T = E_f + E_c \quad (\text{Eq. 6})$$

Total error is equivalent to variance (Section 13.3), but is broken into its component parts in order to assess whether more rigorous fouling control measures are needed or whether instrument repair is needed.

Biofouling errors are calculated as:

$$E_f = M_c - M_f \quad (\text{Eq. 7})$$

where M_c is the value measured after the data sonde has been cleaned and M_f is the value measured prior to cleaning at the end of a deployment period. The calibration drift error (E_c) is calculated as the value of the standard solution (V_s) minus the post-deployment, clean sensor reading of the standard solution (M_c as in Eq. 7) obtained during the verification process:

$$E_c = V_s - M_c \quad (\text{Eq. 8})$$

Post deployment verification begins prior to cleaning the data sondes. If the verification values fall within the tolerances listed in Section 15.1, then no data adjustments will be made, and the data sondes cleaned and calibrated again prior to the next deployment. However, if the pre-cleaned verification values fall outside of the stated criteria, then the data sondes will be cleaned immediately, and the data verification performed a second time. If the post-cleaning verification data falls within acceptable data tolerances, then the data will be adjusted linearly for fouling error as a percent.

$$\%E_f = 100 \times \left(\frac{M_c - M_f}{M_f} \right) \quad (\text{Eq. 9})$$

If the post-cleaning verification data do not meet acceptable data tolerances, then the data will also be adjusted linearly for calibration drift error as a percent.

$$\%E_c = 100 \times \left(\frac{V_s - M_c}{M_c} \right) \quad (\text{Eq. 10})$$

In this case, the fouling error (E_f) is calculated as the difference between the total error (E_T) and the calibration drift error (E_c), with the total error calculated as the difference between the pre-cleaned verification value and the value of the standard solution. Total error is the variance found during the end-of-deployment verification process.

13.5.4 Data Adjustment, Accuracy Ratings, and Adjustment Limits

If post-deployment verification results exceed the stated calibration criteria, then Data Correction is applied.

A linear equation ($y = mx + b$) is developed between the two points consisting of the date and time of calibration and verification (x-values) and the ratios of the stated standard values to the sensor readings at that time (y-values). NOTE: the successful calibration ratio is assumed to be 1, the verification ratio may be greater than or less than 1. The linear equation is then applied to the data segment of interest with “x” being the date/time stamp during the deployment and the resulting “y” value the ratio as it changes through time. The resulting “y” value for each date/time stamp of the segment is then applied to the raw sensor data to create the adjusted column of data.

Once data adjustments are applied, then each recorded data point is compared to the original, unadjusted record. It is assigned an accuracy rating according to the table in Section 15.3. If any part of the data

segment exceeds the Rejection criteria, that segment is eliminated from further analysis but will be used for informational purposes.

13.5.5 Data will then be analyzed using descriptive statistics, boxplots, and outlier tests to determine whether any additional data points should be removed from further analysis³.

14.0 WASTE MANAGEMENT

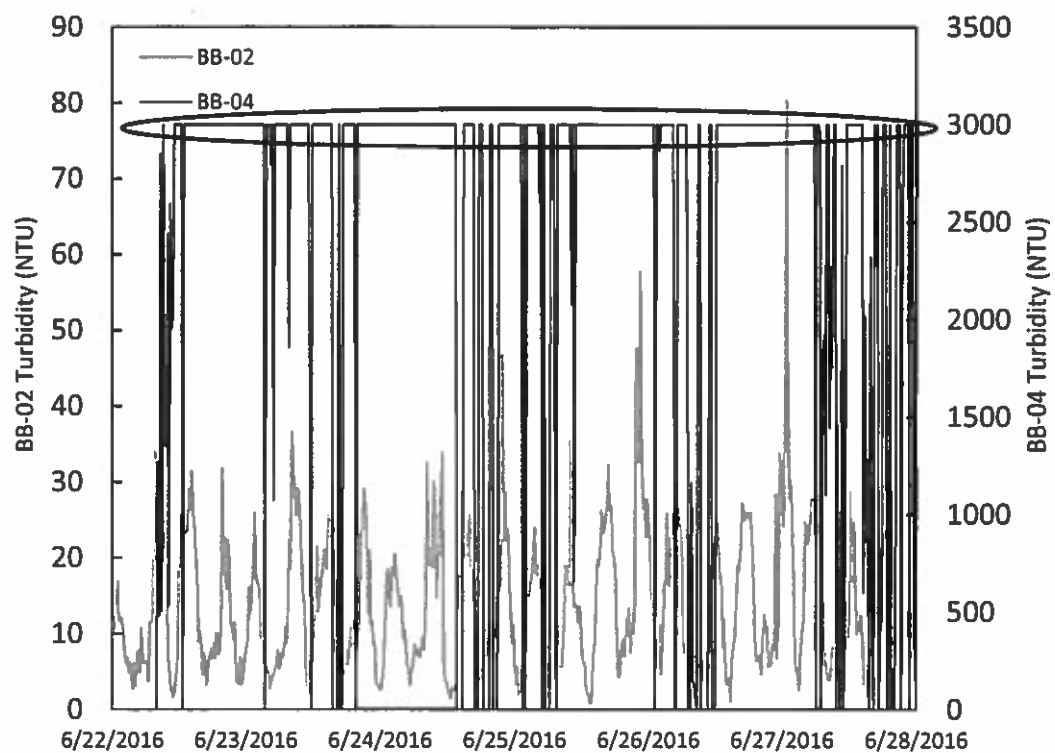
Not applicable to this SOP. Waste management of the reagents and Standards used in the calibration of individual sensors is detailed in the SOP for each sensor.

15.0 TABLES, DIAGRAMS, FLOWCHARTS

15.1 Calibration, Validation, and Verification Criteria

Parameter	USGS Calibration Verification Criteria (Wagner et al., 2006)	BOW Calibration Verification Criteria
Temperature	$\pm 0.2\text{ }^{\circ}\text{C}$	Verify with NIST thermometer at least once during field season. $\pm 0.1\text{ }^{\circ}\text{C}$
Specific Conductance	$\pm 5\text{ }\mu\text{S/cm}$ or $\pm 3\%$ of the measured value, whichever is greater	$\pm 10\%$
Dissolved oxygen	$\pm 0.3\text{ mg/L}$	$\pm 0.2\text{ mg/L}$
pH	$\pm 0.2\text{ pH unit}$	$\pm 0.2\text{ unit}$
Turbidity	$\pm 0.5\text{ NTU}$ or $\pm 5\%$ of the measured value, whichever is greater	$\pm 10\%$
Chlorophyll <i>a</i>	None	$\pm 10\%$

15.2 Erroneous Sonde Data Example



Continuous monitoring Turbidity data from within the same field area. The record from Station BB-04 site is the result of turbidity sensor failure during deployment and is typical of obviously erroneous data. Please note the extreme difference in Turbidity scales between the primary and secondary vertical axes as well as the flat shape of the BB-04 profile across the top highlighted by the red circle.

15.3 Data Accuracy Ratings and Maximum Allowable Data Adjustments

Parameter	Excellent	Good	Fair	Adjustment Rejection Limit
Specific Conductance (%)	$\leq \pm 10\%$	$> \pm 10\% \text{ to } \leq \pm 15\%$	$> \pm 15\% \text{ to } < \pm 20\%$	$\geq \pm 20\%$
Dissolved Oxygen (mg/L)	$\leq \pm 0.2 \text{ mg/L}$	$> \pm 0.2 \text{ to } \leq \pm 0.8 \text{ mg/L}$	$> \pm 0.8 \text{ to } < \pm 1.5 \text{ mg/L}$	$\geq \pm 1.5 \text{ mg/L}$
pH (Standard Unit)	$\leq \pm 0.2 \text{ Unit}$	$> \pm 0.2 \text{ to } \leq \pm 0.6 \text{ Unit}$	$> \pm 0.6 \text{ to } < \pm 1.0 \text{ Unit}$	$\geq \pm 1.0 \text{ Unit}$
Turbidity (%)	$\leq \pm 10\%$	$> \pm 10\% \text{ to } \leq \pm 15\%$	$> \pm 15\% \text{ to } < \pm 20\%$	$\geq \pm 20\%$
Chlorophyll <i>a</i> (%)	$\leq \pm 10\%$	$> \pm 10\% \text{ to } \leq \pm 15\%$	$> \pm 15\% \text{ to } < \pm 20\%$	$\geq \pm 20\%$

16.0 REVISION HISTORY

[illegible]

17.0 REFERENCES

¹ Wagner, R.J., R.W. Boulger Jr, C.J. Oblinger, and B.A. Smith (2006). Guidelines and standard procedures for continuous water-quality monitors—Station operation, record computation, and data reporting: U.S. Geological Survey Techniques and Methods 1-D3, 51p. + 8 attachments; accessed March 24, 2017.
<http://pubs.water.usgs.gov/tm1d3>.

² Hach Company (2006). Hydrolab DS5X, DS5, and MS5 Water Quality Multiprobes User Manual. OTT Hydromet GmbH Document number 55.495.000.B.E 02-0511. Edition 3, February 2006.

³ US EPA (2006). Data Quality Assessment: Statistical Methods for Practitioners. EPA QA/G-9S, February 2006.

3.0 SPECIAL MONITORING AND COMPLIANCE MONITORING

3.1 Intensive Surveys and Special Water Quality Studies

Special studies provide immediate and in-depth investigations targeting specific environmental problems or involve practical research that leads to a better understanding of the water quality of the State of South Carolina. The data collected are summarized and reported at the conclusion of each study.

Special water quality studies are conducted as needed to determine cause and effect relationships in waterbodies where trend monitoring indicates a deterioration in environmental quality. They provide legally defensible data on damage in situations where compliance monitoring indicates violation of permits and/or water quality standards. Special water quality assessments most often target waterbodies listed on the §303(d) list of impaired waters not meeting designated uses or are requested for waterbodies having high or potentially high public water use values.

There is usually a specific need or problem identified in the initial study request, such as the pollutant or biological condition resulting in a §303(d) listing. When selecting indicators for a special study, conditions that may cause or contribute to nonattainment of applicable WQS are considered. It is important to consider the potential cumulative impacts to a waterbody resulting from multiple sources of pollutants. For example, are there sources in the watershed that separately or collectively might contribute pollutants in amounts or combinations that could cause an exceedance of a water quality criterion, create toxic conditions, or accumulate in fish tissue? Principal considerations include point sources, nonpoint sources, geology/hydrology, and land-use patterns, both current and historic, and suspected pervasive pollutants that may be transported by atmospheric processes.

Point sources in the watershed may contribute pollutants that cause or contribute to nonattainment of WQS. Information about the type of facility and nature of discharges can help identify potential pollutants. Point sources may have existed historically but may no longer be active. Legacy contaminants from these sources may still be present within bed sediments in the waterbody or in soils at the site. A review of current and past permittee's NPDES permit limits and compliance history information may be included in the study design process.

Nonpoint sources generally are related to land-use practices. Land use (e.g., rural, agricultural, urban, industrial) often dictates what indicators may be most suitable for water quality monitoring. To the extent possible, current and historic land-use practices in the watershed are identified. Past land-use practices may be very different from current practices, and residual pollutants may be present in the bed sediments in the water or in soils at the site. Disturbances from land-use practices or changes in land-use may aggravate already marginal natural water quality conditions. Available information about local agriculture, pesticide usage, urban/impervious surfaces, land management practices (e.g., forestry, mining), and best management practices (BMP) that would mitigate pollutant impacts are considered.

Geologic and hydrologic processes within and upstream from a waterbody generally establish background water quality conditions within the watershed. In some cases, weathering and transport processes for certain geologic areas may result in increased concentrations of metals, particularly arsenic, cadmium, mercury, and selenium. Increased concentrations may be found both in the water column and in underlying sediments.

An investigation of specific environmental problems may originate as an official request from other staff from various sections of EA, to support decision making on a variety of issues. Studies may also be initiated in response to requests by private citizens or special interest groups. Once an official request to carry out a specific task has been received, Aquatic Science Programs staff designs, receives approval from the Quality Assurance Manager (QAM), and implements the study. The results of such studies are reported primarily to the originator of the study request.

In conducting practical research, the Aquatic Science Programs generally relies on its own staff, as well as the scientific staff of other sections of EA. The Aquatic Science Programs staff designs and implements, or coordinates such studies, if other groups are involved, and reports all findings to all interested parties.

Study plans for any special studies are submitted to the QAM for approval prior to sampling. All sampling and field analyses are performed according to the most current revisions of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual and Procedures Manual for Stream and Wastewater Facility Flow Measurement. All laboratory analyses are performed according to the most current revisions of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--ARES and Laboratory Procedures Manual for Environmental Microbiology--ARES.

Nonpoint source (NPS) monitoring includes both biological investigations and water quality assessments. Data collected is used for various purposes including: identifying waters not fully meeting designated uses due to NPS pollution, addressing waters currently listed on the §303(d) list, assisting in enforcement investigations, and assessing the effectiveness of best management practices (BMPs) in agricultural, silvicultural and residential areas.

Water quality, biological, and habitat assessments are conducted as needed in response to complaints from the public and subsequent requests from central and regional EA personnel. Results help determine the need for enforcement action.

Biological investigations typically focus on waterbodies included on the §303(d) list due to a demonstrated impairment to the biological community or excursions relative to metals, pH or dissolved oxygen (DO) levels. Sites are re-assessed for impairment and possible causes may be explored. To maximize effectiveness, these investigations are timed to complement the macroinvertebrate trend-monitoring effort.

Sites listed for impairment due to elevated *E.coli* bacteria levels are also targeted for special sampling. The accompanying effort to identify potential sources typically involves intensive sampling combined with consideration of relevant point sources, nonpoint sources, adjacent land use, and shoreline reconnaissance.

3.1.1 Documenting Water Quality Improvement Efforts

Section 319 of the Clean Water Act deals with the control and reduction of nonpoint source pollutants and includes the award of annual grants to states from EPA. These grant funds are primarily used to implement Total Maximum Daily Loads (TMDLs) and watershed-based plans for impaired waters. SCDHEC passes a portion of its annual 319 grant to outside groups through a competitive process to carry out the implementation of these plans. Implementation includes the installation of an array of structural and non-structural Best Management Practices (BMPs) designed to reduce or remove nonpoint source contributions within a watershed. The ultimate goal is to remove the impairment for the specific pollutant for which the plan was developed. Monitoring is a crucial component of determining the initial impairment as well as documenting potential water quality improvements resulting from such an implementation effort.

Because TMDLs and watershed-based plans are developed based on SCDHEC water quality monitoring sites, project success must also be based on data collected from those sites. SCDHEC uses 319 funds to pay for the staff and analysis costs related to this monitoring effort. Often there are sites of interest within the project areas that are not active throughout the duration of the project period as part of the Ambient Surface Water Physical & Chemical Monitoring Network. In these instances, staff in the Aquatic Biology Section are responsible for data collection at these sites. SCDHEC has committed to EPA that all 319-funded implementation projects will be monitored at the associated water quality monitoring site(s) for the life of the project, plus a minimum of one additional year. The data collected are also used to develop project success stories at the request of EPA. For 2019, the sites being collected can be found in Appendix J.

At a federal level, EPA and the US Department of Agricultural Natural Resources Conservation Service (NRCS) have partnered together to direct funding in specific watersheds to improve water quality. The funds are a specific set-aside to the NRCS Environmental Quality Improvement Program (EQIP) and are known as the National Water Quality Initiative, or NWQI. Working together, state NPS and state NRCS programs selected specific watersheds where extensive EQIP funds for agricultural BMPs would be directed. Those watersheds are currently Big Creek – Little Saluda River, Smith Swamp, and Upper Little Saluda River. State NPS programs are required to commit to monitor at least one watershed to help determine the effectiveness of this program, similar to monitoring associated with 319 implementation efforts discussed above. SCDHEC has elected to monitor all watersheds; monthly monitoring will occur at each station (listed in Appendix J) for an array of water quality parameters.

Study plans for these specific monitoring responsibilities are submitted to the QAM annually for approval prior to sampling. All sampling and field analyses are performed according to the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual) and Procedures Manual for Stream and Wastewater Facility Flow Measurement. All laboratory analyses are performed according to the most current revisions of SCDHEC's Procedures and Quality Control Manual for Chemistry Laboratories--ARESD and Laboratory Procedures Manual for Environmental Microbiology--ARESD.

3.2 Wetlands Monitoring

SCDHEC has not traditionally conducted ambient monitoring in wetlands, nor do we maintain a network of wetlands sites that are routinely visited and sampled for traditional water quality parameters such as dissolved oxygen, bacteria, nutrients, metals, and organics. However, we have conducted limited monitoring of wetlands and have required limited compliance monitoring by permittees.

3.2.1 Compliance Monitoring

When SCDHEC issues a Water Quality Certification for unavoidable impacts to wetlands, the Certification will often have a requirement for compensatory mitigation provided through a mitigation bank or a permittee responsible mitigation site. Both types of sites generally have monitoring requirements to demonstrate success. Typical monitoring consists of requiring each compensation site to be evaluated on a site-specific basis and, if needed, hydrological and vegetative monitoring is required to show the creation, restoration, or enhancement of an area's hydrology or vegetation. Additionally, certain 401 Water Quality Certifications require wetlands compliance monitoring to ensure that the predicted impacts are within expected ranges.

Further, SCDHEC has issued NPDES permits to several wastewater treatment plants where wetlands are the final receiving water. In order to determine if there are detrimental effects of the wastewater on the wetlands, SCDHEC imposes monitoring of the wetland through special conditions of the NPDES permit. Typically, this monitoring consists of ground and surface water quality, vegetation, and hydrological parameters, which are measured bi-annually and reported in an annual report, based on site-specific considerations.

3.2.2 Program Needs

If the State were to implement an ambient monitoring program for wetlands, it would be important to have wetlands water quality standards in place. Perhaps a more difficult obstacle is the resources required to maintain an ambient wetland monitoring program. For this to occur SCDHEC would need additional trained staff to conduct wetland monitoring and assess data.

3.3 Wastewater Discharge Compliance Monitoring

All wastewater dischargers to the surface waters of the State of South Carolina must obtain a National Pollutant Discharge Elimination System (NPDES) Permit. This applies to all public and privately-owned wastewater treatment facilities. The NPDES permit sets limits for physical and chemical characteristics of the facility effluent to protect the water quality of the receiving waterbody. A number of publicly owned treatment works (POTWs) have requirements in their NPDES permits to implement an approved pretreatment program to regulate industrial discharges, as well.

The purpose of the facility monitoring program is to ensure that permitted effluent limitations are met and properly reported to the State, to ensure proper operation and maintenance of wastewater treatment facilities, and to ensure that the public's concerns and complaints

concerning wastewater dischargers are answered effectively. This monitoring function encompasses the review of NPDES permit compliance schedules, review of NPDES self-monitoring data, inspection and evaluation of wastewater treatment facilities, collection and analysis of samples at wastewater treatment facilities, and investigation of complaints concerning wastewater treatment facilities or stream quality throughout the State.

The information gathered by the facility monitoring program is used by the State and EPA to determine permit compliance and to support enforcement actions. Inspection results are also useful in grant reviews and permitting functions. Facility monitoring is often included in water quality assessments, as well.

Certain inspections are used to improve permittee performance through improved data quality and the provision of technical assistance. Of course, the facility monitoring program also serves to maintain a regulatory presence in the State.

The following sections detail the various means at our disposal to accomplish these goals.

3.3.1 Compliance Schedule Tracking

Schedules of Compliance for permits and administrative orders are maintained in EFIS as well as a data file designated as the Integrated Compliance Information System or ICIS. ICIS was developed by EPA to track permit compliance and the State has assumed responsibility for maintaining and updating the ICIS database. Compliance staff in the Permit and Data Administration Section conduct a monthly review of permit compliance schedules via reports generated in both EFIS and ICIS. Permit schedule due dates are satisfied in both EFIS and ICIS, and any noncompliance is addressed by both formal and informal enforcement actions.

3.3.2 NPDES Self-Monitoring

All NPDES permittees are required to collect and analyze samples of their own effluent at regular intervals for specific permit parameters. Self-monitoring data are transmitted to the Water Pollution Control Division by the permittee in the form of a Discharge Monitoring Report (DMR). The EFIS database is utilized to track NPDES self-monitoring information. For NPDES self-monitoring this system is utilized to assure timely submission of DMRs by dischargers and recording of reported values by effluent parameter for each NPDES permit. DMR files are reviewed on a monthly basis to determine appropriate enforcement action required for failing to submit discharge monitoring reports and/or for significant effluent violations. In addition, permittees are required to report non-compliance covering significant permit violations as they occur. These noncompliance reports, submitted in advance of DMRs, provide DHEC the opportunity to determine if there may be effluent problems requiring immediate investigations. After being logged, reviewed, and entered into EFIS and ICIS by the Permit and Data Administration Section DMRs are sent to the NPDES file for the particular facility to provide a readily available source of effluent data.

3.3.3 Federal Compliance Evaluation Inspections - (CEI)

The Compliance Evaluation Inspection (CEI) is a non-sampling inspection designed to verify permittee compliance with applicable permit self-monitoring requirements and compliance schedules. This inspection is based on record reviews and visual observations and evaluations of the treatment facilities, effluents, receiving waters, etc. The CEI is used for both chemical and biological self-monitoring programs.

The Inspection

The inspection is comprised of an evaluation of the physical equipment, laboratory records, discharge monitoring reports, and the operational records of the facility. A narrative report is generated summarizing the findings in each of 9 major areas evaluated during the inspection. The 9 major areas evaluated are as follows:

- a. Permit Verification - verification of name, address, discharge(s), receiving waters, etc., contained in the permit.
- b. Records and Reports - determination of compliance with record keeping and reporting requirements stipulated in the permit.
- c. Facility Site Review - examination of areas on the permittee's premises where pollutants are generated, pumped, conveyed, treated, stored or disposed.
- d. Flow Measurement - installation, calibration and accuracy of flow measurement system are determined.
- e. Compliance Schedules - where applicable.
- f. Self-Monitoring Program - sampling frequency, type(s), parameters monitored, parameter limitations, sampling methodology are examined for compliance with permit.
- g. Operation and Maintenance - a visual inspection of unit processes is conducted.
- h. Sludge Disposal - the permittee's sludge management and disposal methods are evaluated.

Laboratory – a verification of lab certification for the parameters that are analyzed is conducted along with a verification and inspection of field meters.

Procedure

The accepted procedure for conducting the Compliance Evaluation Inspection is as follows:

- a. The inspection is conducted unannounced or with limited notification. If contacted ahead of time the permittee is instructed to have available all pertinent records for review.

- b. The evaluator completely fills out the appropriate checklists for each major section evaluated during the inspection.
- c. After completion and review of the inspection report, the narrative report is forwarded to the Water Pollution Compliance Section for review, EFIS and ICIS entry, and distribution.

Follow-up

Follow-up evaluations will be made on deficiencies noted in initial Compliance Evaluation Inspections. The follow-up is as follows:

- a. A letter emphasizing the deficiencies noted will be sent along with the initial report to the owner. This letter will point out problems found during the inspection and request corrections or plans for corrections. This letter requires a response within fifteen (15) days. Responses are reviewed by Central Office and Regional staff.
- b. Based on the review, the Region may be requested to initiate a follow-up field inspection. The actual follow-up evaluation can be comprised of a routine Facility Evaluation Inspection (FEI) with the emphasis placed on the status of necessary corrective actions to problems noted in the Compliance Evaluation Inspection report.
- c. If corrective action on the initially noted deficiencies has not been taken, the Region should then follow established Enforcement Procedures.

3.3.4 Operation and Maintenance Inspections

These evaluations are designed to ensure that wastewater treatment facilities are being properly operated and maintained in accordance with State and Federal regulations.

The Operation and Maintenance Inspections (O&M) are periodic performed strategically at wastewater treatment facilities in the State. The O&M involves the actual visit to the treatment plant site, a visual inspection of the facility, and a brief records review. The inspector determines if the facility and the equipment involved are properly operated and maintained. Certain limited physical and chemical tests are run on the effluent to help the evaluator determine the plant's efficiency and effectiveness of operation.

The following parameters are collected:

Effluent
Temperature
pH
Dissolved oxygen
Chlorine residual

The inspection program is not a totally regulatory program. The inspection results are discussed with the operator, when possible, to let him know what corrective measures, if any, are needed.

Procedure

The following is the procedure followed for completing a routine facility evaluation:

1. Plan work schedule ahead of visits.
2. Review file (for previous evaluations, inspections, orders, enforcement action, etc.) and make notes of items that were unsatisfactory on previous visits and carry file or parts needed.
3. Review the permit completely.
4. Inform appropriate person (immediate supervisor) of your planned daily visits.
5. Make every effort possible to contact owner or operator of the facility to be evaluated to inform him of inspection plans. The owner or operator is expected to accompany the evaluator during the evaluation.
6. If you are unable to contact owner or operator, obtain access and permission to evaluate facility.
7. Make appropriate observations and field tests to determine which processes are satisfactory or unsatisfactory. The facility evaluator must make observations and tests as indicated on the evaluation forms. Effluent tests are mandatory.
8. Review the facility's monitoring and permit compliance records. Make comments as appropriate.
9. Reports must be completely filled out and signed by person making evaluation. Make appropriate remarks and recommendations. Deficiencies should be listed in remarks section of inspection form.
10. Record name of person you contacted. Have him sign inspection form when possible.
11. Inform the owner or operator of findings and ask him to make any needed corrections.
12. If samples are collected for laboratory analysis, coordination should be made with laboratory and results should be included with evaluation report.

The inspector's reports are reviewed in the region and central office before the copies are distributed. One copy of the inspection is sent to the facility owner, one copy is kept in the regional office, and the original is sent to Central Office to be reviewed, logged and sent to the permittee and Central Files. Inspection results are entered into the EFIS and into ICIS.

Suspense files on problem facilities should be maintained in the Regional Office. The facility evaluators should also keep a list of facilities that need to be sampled for possible enforcement action. Those lists should be forwarded to the regional monitoring supervisor periodically to be scheduled for sampling.

If the regional staff has exhausted its resources in getting the facility in proper operational condition, then all necessary information concerning the facility can be addressed at a meeting at the Regional level. Necessary enforcement action should follow the established enforcement procedures until compliance is achieved.

3.3.5 Compliance Sampling Inspections

Compliance sampling inspections are performed to determine if wastewater treatment facilities are operating as permitted and designed, to collect data for comparison with self-monitoring data, and to support enforcement action.

Sampling of facilities are assigned the following priorities:

1. Federal Compliance Sampling Inspections.
2. Enforcement Section or EPA requests.
3. Engineering Division request.
4. Regional personnel request.
5. Routine sampling.

Federal Compliance Sampling Inspections

The Federal Compliance Sampling Inspection requires that an inspection of the facility be conducted by the EA regional facility evaluator. This inspection is to be made on one of the three (3) days required for effluent sampling. A list of the dischargers receiving Federal Compliance Sampling Inspections for each EA region appears in Appendix K.

A detailed inspection of the facility's records, regular operation and maintenance, flow measurement devices, sampling procedures, laboratory, and other permit conditions for compliance verification is conducted by the district facility evaluator. Effluent sampling is included in the Federal Compliance Sampling Inspection. Procedures for sampling the effluent are the same as discussed below for State Minor Compliance Sampling Inspections.

After the sampling and inspection has been completed, the laboratory results are mailed to the Analytical and Radiological Environmental Services Division (ARESD). The narrative reports are entered in EFIS to be processed by the Water Pollution Compliance Section.

Requested Sampling Inspections

Upon receiving a request for compliance sampling, a review of historical data and the NPDES permit regulations for the facility is conducted to determine if previous sampling data will be sufficient. If additional sampling is needed, a request, including all parameters desired is sent to the Regional Office responsible for sampling that facility. This is coordinated by personnel in the Central Office Water Pollution Compliance Section. A written request for the sampling is then made to the Regional monitoring supervisor. Sampling and reporting procedures are the same as for State Minor Compliance Sampling Inspections (see below).

State Minor Compliance Sampling Inspections

State Minor Compliance Sampling Inspection schedules are established by the Regional monitoring supervisor. An annual schedule that outlines the month and facility that will be sampled is submitted to the Water Pollution Compliance Section.

The NPDES permit should be reviewed to determine the composite sampling frequency. For those facilities whose composite sample frequency is once per month or less, a one-day composite sample may be collected. Fecal coliform and field parameters should be collected on the day the composite sampler and flow meter are set up, as well as the following day when the composite sample is collected. An updated list of facilities requiring only one day of sampling will be provided to the regional monitoring supervisor annually.

If the NPDES permit requires composite sampling for any parameter at a frequency of greater than once per month, then two days of composite sampling must be conducted. The flow recorder and automatic sampler is set up on the initial sampling day. Fecal coliform and field samples should be collected on the day the composite sampler is set up and on each of the two following days on which composite samples are collected.

In addition to the effluent total residual chlorine (TRC), the chlorine concentration prior to de-chlorination should be measured if the effluent TRC is measured to be <0.1 mg/l. These results should be reported on DHEC form 2185, on the line following Sulfides. The monitoring personnel should write Cl₂ in CC on the line below Sulfides, and 66666 as the STORET code.

Samples collected will be taken to the field laboratory for analyses. Samples are collected according to the NPDES permit requirements and the most current revision of SCDHEC's Environmental Investigations Standard Operating Procedures and Quality Assurance Manual.

When sampling these facilities with General Permits (SCGs), the specific type of discharge, as identified in the General Permit, must be written in the space labeled **TYPE** on DHEC form 2185. The correct pipe number, as identified in the General Permit, must also be written in the appropriate space on DHEC form 2185.

After completion of the sample analyses the laboratory data sheets are sent to Analytical and Radiological Environmental Services Division (ARESD) which forwards them to the Water Pollution Compliance Section to be verified, reviewed, and logged in.

The data are edited and a compliance monitoring report (CMR) is generated. The data are compared with the NPDES permit limits to determine if any permit violations occurred. A formal report is then compiled by Water Pollution Compliance Section personnel and sent to the responsible facility official. Copies are transmitted to the Central Office files, the Region, and EPA (majors). A written response to the agency for any significant permit violation is usually requested.

3.3.6 Compliance Biological Inspections

For the purpose of State compliance with the "106 Work Plan" agreement with the EPA, Compliance Biological inspections (CBIs) will be conducted on 10% of major dischargers in conjunction with compliance sampling inspections (CSIs) being conducted by district offices. Discharges to be inspected are selected based on self-monitoring data, requests by department personnel, requests by other parties, and in conjunction with the Federal CSI schedule. Facility records are inspected at the time of Federal and State CSIs. Toxicity test reports and laboratory bench sheets are reviewed to determine if wastewater treatment facilities are in compliance with their NPDES permit WET limits, and to determine the need for permit modifications or enforcement action. CBI's are conducted on 10% of all major facilities that have WET requirements, annually.

3.3.7. Performance Audit Inspections

The Performance Audit Inspection (PAI) is used to evaluate a permittee's self-monitoring program. The purpose of the inspection is not only to determine the quality of self-monitoring but also to assess the reliability of the data reported by the permittee. A field evaluation is conducted which includes an evaluation of flow measurement, sampling, records, and operation and maintenance. Water Pollution Compliance Section personnel perform this part of the PAI. A laboratory evaluation is also conducted which includes a review of analytical methods and procedures, sample handling and preservation, quality assurance, and records. The EA Laboratory Certification Section performs this part of the PAI.

3.3.8 Technical Assistance Evaluations

The Technical Assistance Evaluation (TAE) focuses primarily on wastewater treatment facilities that are not in compliance with their permit requirements. The purpose of the evaluation can be to either evaluate causes of noncompliance in support of enforcement actions or to assist those facilities without self-diagnostic capability. The evaluation identifies major plant deficiencies in operation, design, and/or construction. Other aspects of the permit program such as the permittee's self-monitoring program can be included in the technical evaluation if deemed necessary. These evaluations are performed by the Water Pollution Compliance Section and are done on an as needed basis.

3.3.9 Pretreatment Program Audit and/or Inspection

The Pretreatment Program Audit and/or Inspection is conducted according to the schedule

submitted to USEPA which assures that all approved active pretreatment programs receive at least one Audit in each 5-year permit term and at least 2 Inspections during the 5-year permit term. The purpose of the audit and/or inspection is to determine whether the program is being adequately implemented by the POTW. The audit would include a review of the following items:

1. POTW treatment facility background information.
2. POTW pretreatment program background information.
3. Evaluation of POTW pretreatment program changes.
4. Legal authority evaluation.
5. Application of pretreatment standards.
6. Compliance Monitoring and Inspections by POTW personnel in self-monitoring sampling.
7. Compliance Monitoring and Enforcement - industrial user file review.
8. Enforcement Actions by POTW.
9. Data management and public participation.
10. Program resources review.

The Water Pollution Compliance Section conducts Pretreatment Program Audits or Pretreatment Compliance Inspections on the majority of POTWs with a pretreatment program. Pretreatment follow-up inspections are also performed as appropriate.

The Pretreatment Program Audits are coordinated with POTW facilities whose permit expires in the forthcoming year. During the audit, the inspector observes the industrial user inspection procedures and tours the industrial facility's production process to identify sources of wastewater. A report of the findings is forwarded to the POTW for corrective actions where appropriate.

3.4 Complaint Investigations And Fish Kill Program

3.4.1. Complaint Investigations

Purpose

The primary purpose for the investigation of complaints is to determine whether or not a pollution or public health threat exists, and to require corrective action where problems are found. Since customer service is a primary focus of the Department, complaint response receives a high priority.

Strategy

Field staff located in the four regions across the state provide the Department with prompt contact with the complainant, and appropriate response and follow-up as necessary. Complaints received either directly from the public or through other sources will be documented as described below. Voluntary correction of identified problems is often obtained but enforcement action may be taken when necessary under the Pollution Control Act and/or other applicable regulations and laws.

Safety

When investigating a complaint, staff safety is top priority. Step one of a complaint investigation should always be for staff to attempt to make contact with the responsible party/property owner prior to visiting the property. A simple phone call can preemptively diffuse a tense or dangerous situation and can alert staff to the need for backup or law enforcement involvement without ever stepping foot on the property.

Coworkers with prior knowledge of the area and online resources such as county maps, aerial photography, and the SC Case Record Search (<http://www.judicial.state.sc.us/casesearch/>) tool can help identify potential dangers before leaving the office.

No two investigations are ever the same and no training can fully prepare staff for what they may encounter in the field. The key is for staff to be aware of their surroundings and to have a plan for the unexpected. Field staff typically work alone and have to make personal safety judgment calls. Staff are expected to stop any work task that they believe to be unsafe. If staff are uncomfortable with a situation they encounter in the field and fear for their personal welfare or safety, they should politely excuse themselves, leave the property, and contact their supervisor as soon as it is safe to do so.

Complaint Investigation Procedure

When possible, complaints should be directed to one of the regional offices that provides coverage over the county in which the complaint is noted (see table 1). Complaints received in the central office will be referred to the applicable regional office for response. Although, complaint investigation and proper documentation to the file are the responsibility of the regional office, central office assistance is available upon request. Discretion and the need to exercise professional judgment are recognized as key components in complaint investigations. The following guidelines are offered to ensure adequate documentation of complaint investigations:

1. Most complaints are entered into the Incidents Module of the EFIS tracking system upon receipt. Stormwater and Ag complaints are documented in epermitting. This provides timely documentation of all complaint investigations. Regional staff must contact the complainant by close of business the next business day after the regional office receives a complaint in order to let the complainant know the complaint has been received and will be investigated. The Department has set an initial response time of 48 hours with a five

day goal to resolve the complaint.

2. EFIS/epermitting should be updated no later than COB the next business day after an action is taken (site visit, phone call, etc.) during a complaint investigation. All actions and all communications associated with a complaint investigation, to include final contact with the complainant, must be documented in EFIS/epermitting. Reminder: If a complainant wishes to remain “Anonymous,” their contact information should not be captured and they must be informed that they cannot be contacted with investigation results.
3. Follow up communication with the complainant or facility/property owner may be in person, by phone, e-mail, or in writing but must be documented in EFIS. Some complaints, by their nature, may necessitate a letter to the complainant or facility/property owner covering the results of the Department’s investigations and corrective measures required/taken. (Copies of such letters must be entered into EFIS and stored in the appropriate program files). Poor or incomplete documentation may prevent the Department from taking proper enforcement action.
4. To ensure that copies of letters and other documentation can be properly filed, they should be sent to the attention of the appropriate Enforcement Division in the Bureau of Water.
5. If staff are verbally denied access to a property or if the property is posted with “No Trespassing” or “Do Not Enter” signs, a magistrate’s warrant to enter and inspect the property may need to be obtained. When access is denied, the investigating staff person should immediately contact their supervisor when it is safe to do so. A magistrate may need to be contacted in order to obtain access but a magistrate should not be contacted without involving both regional and BEHS management. The program may also need to be involved prior to contacting a magistrate. Once a warrant is issued, Department staff will conduct the investigation and document the results in writing to the magistrate and the program area. As always, EFIS/epermitting should reflect all actions taken.

Table 3. Office of Environmental Affairs (EA) Regional Directory

Upstate EA Anderson (Anderson, Oconee Counties)	220 McGee Road Anderson, SC 29621	Phone: (864) 260-5585 Fax: (864) 222-3923
Upstate EA Greenwood (Abbeville, Greenwood, Laurens, McCormick Counties)	1736 South Main Street Greenwood, SC 29646	Phone: (864) 227-5915 Fax: (864) 942-3680
Upstate EA Greenville (Greenville, Pickens Counties)	200 University Ridge Greenville, SC 29601	Phone: (864) 372-3273 Fax: (864) 282-4371
Upstate EA Spartanburg (Cherokee, Spartanburg, Union Counties)	151 East Wood Street Spartanburg, SC 29303	Phone: (864) 596-3327 Fax: (864) 596-3920
Midlands EA Columbia (Fairfield, Lexington, Newberry, Richland Counties)	State Park Health Center 8500 Farrow Road, Bldg. 12 Columbia, SC 29203	Phone: (803) 896-0620 Fax: (803) 896-0617
Midlands EA Lancaster (Chester, Lancaster, York Counties)	2475 DHEC Road Lancaster, SC 29720	Phone: (803) 285-7461 Fax: (803) 285-5594
Midlands EA Aiken (Aiken, Barnwell, Edgefield, Saluda Counties)	206 Beaufort Street, NE Aiken, SC 29801	Phone: (803) 642-1637 Fax: (803) 643-4027
Pee Dee EA Florence (Chesterfield, Darlington, Dillon, Florence, Marion, Marlboro Counties)	145 E. Cheves Street Florence, SC 29506	Phone: (843) 661-4825 Fax: (843) 661-4858
Pee Dee EA Sumter (Clarendon, Kershaw, Lee, Sumter Counties)	105 N. Magnolia Street Sumter, SC 29150	Phone: (803) 778-6548 Fax: (803) 934-2938
Pee Dee EA Myrtle Beach (Georgetown, Horry, Williamsburg Counties)	927 Shine Avenue Myrtle Beach, SC 29577	Phone: (843) 238-4378 Fax: (843) 238-4518
Lowcountry EA Charleston (Berkeley, Charleston, Dorchester Counties)	1362 McMillan Avenue, Suite 300 Charleston, SC 29405	Phone: (843) 953-0150 Fax: (843) 953-0151
Lowcountry EA Beaufort (Beaufort, Colleton, Hampton, Jasper Counties)	104 Parker Drive Beaufort, SC 29906	Phone: (843) 846-1030 Fax: (843) 846-0604
Midlands EA Orangeburg (Allendale, Bamberg, Calhoun, Orangeburg, Counties)	1550 Carolina Avenue Orangeburg, SC 29115	Phone: (803) 533-5490 Fax: (803) 268-5784

3.4.2 Fish Kill Program

The *Emergency Response Section* (ERS) of the *Bureau of Environment Health Services* (BEHS) of the *South Carolina Department of Health and Environmental Control* (DHEC) was established to coordinate emergency response activities during oil spills, chemical releases, and fish kills for the *Environmental Affairs* (EA). The ERS is responsible for the coordination of EA responses regarding emergencies related to water, air, drinking water, solid waste and waste-water. The ERS is also responsible for response and technical assistance regarding other potential threats to environmental health.

The data related to fish kill incidents is collected so that BEHS may coordinate an effective response to acute water quality problems. This data is also available to other bureaus within DHEC for the evaluation of trends regarding the mismanagement of pesticide and herbicide applications, point and nonpoint pollution sources, natural phenomena that may result in environmental stress and assessments regarding environmentally sensitive areas. Additionally, this data is available to interested citizens and private parties and other government agencies (i.e.: the *South Carolina Department of Natural Resources* [DNR] and the *National Oceanic and Atmospheric Administration* [NOAA]). All reports regarding fish kill incidents are entered into and maintained within the *DHEC Environmental Facility Information System* (EFIS).

A rapid initial response is often essential to an effective investigation regarding a fish mortality incident. Therefore, the 24-hour/toll-free *Emergency Response Telephone Number*, 888-481-0125, is available for the reception of reports regarding the occurrence of fish kills. Monday through Friday, between the hours of 8:30 a.m. and 5:00 p.m., this number is managed directly by the *ERS Central Office Duty Officer* (CODO). The CODO coordinates response activities in cooperation with the *Regional On-Scene Coordinator* (ROSC), of the appropriate *EA Regional Office*, hereafter referred to as Field Office, where the incident occurred. After business hours and on weekends, the *Emergency Response Telephone Number* is managed by the operators in the State Warning Point (SWP) which operates at the *South Carolina Emergency Management Division* (SCEMD). The SWP operators then communicate the information in the initial report to the CODO. The CODO will coordinate a response to the incident. Additionally, fish kill incidents reported directly to the REGION are also communicated to the CODO in order to ensure the effective coordination of all investigative responses.

During an investigative response to a fish kill report, a field assessment is conducted to collect relevant information. This information will assist in determining the level of response required. In cases where an investigator is deployed to the incident site, the ROSC is the person who conducts the initial assessment and determines what response actions are necessary. The responsibilities associated with the position of ROSC are assigned to personnel within each of the 13 Field Offices. Each Field Office maintains the equipment necessary to conduct fish kill investigations; including, but not limited to: ice chests, global positioning system cameras, 800 MHz radios, and specimen preservatives and containers for bacteriological, biological and chemical samples.

Because a legal liability may be associated with a fish kill incident, each Field Office also possesses the most current version of the *DHEC Field Manual for the Investigation of Fish Kills*. This document provides procedures for conducting fish kill investigations. The *DHEC Field Manual for*

the Investigation of Fish Kills also provides procedures for response actions regarding harmful algal blooms. Additionally, EA personnel frequently participate in educational opportunities related to fish kill incidents in order to increase their knowledge of the conditions and dynamics and to improve the efficacy of DHEC investigative responses.

The distribution of responsibilities throughout the Field Offices enables an efficient response by decreasing the distance between the ROSC and the incident location; this reduces response time and increases the possibility of determining the cause of the fish kill. Field Office personnel, ROSCs, are often familiar with the incident locations and local resources available in the area. This familiarity also lends itself to an increased level of awareness and understanding of the variables present in the local ecosystem.

Each Field Office collaborates with the local DNR personnel when conducting fish kill investigations. The familiarity between the DHEC EA personnel and local DNR personnel is increased through the frequent coordination and responses at the local level. The *DNR Wildlife and Freshwater Fisheries Division* participates in the management of fish kill incidents that occur in freshwater conditions. The *DNR Marine Resources Division*, located in Charleston, participates in the management of fish kill events that occur in saline waters. The *DNR Law Enforcement Division* also maintains a 24-hour/toll-free telephone number, 800-922-5431, for emergencies requiring immediate law enforcement assistance.

For cases in which a fish kill incident is potentially related to a release of fertilizers, herbicides or pesticides, the DHEC personnel coordinate response actions with personnel from the *Clemson University Department of Fertilizer and Pesticide Control*. If such an official is unavailable, the *ERS Fish Kill Coordinator* is notified of the event. If necessary, samples may be delivered to the *DHEC Division of Analytical and Radiological Environmental Services (ARESD)*. The ARESD is capable of conducting a laboratory analysis of samples collected during a fish kill investigation; with the exception of biological specimens.

The extent of any specific fish kill investigation is dependent upon a number of variables. Those variables include, but are not limited to, the number and types of fish affected, the characteristics of the body of water and the resources available for response actions. Although delayed reporting of a fish kill event can diminish the ability to determine an outcome, an investigation is conducted to identify potential issues related to environmental health regardless of the length of the time that has elapsed since the incident occurred. Fish mortality incidents may result from a variety of natural and unnatural causes. The investigation into a given fish kill should continue until a cause is identified or until the significance of all potential environmental health threats, such as a contamination resulting from a release of chemicals, oil or other pollutants, is eliminated. For cases in which the cause of a fish kill is determined to be related to human activities, a report is submitted to the *Division of Water Monitoring, Assessment and Protection* of the *EA Bureau of Water* for potential enforcement actions regarding relevant regulations.

3.5 Public Water Systems Monitoring

The monitoring schedules and requirements are included in the National Primary Drinking Water Regulations of the Safe Drinking Water Act as amended in 1986 for Phases I, II, IIB, and V. Also, included in this Act are the Lead and Copper Rule, Revised Total Coliform Rule, and the Surface Water Treatment Rule. The enclosed numbers are a summary of the required drinking water monitoring for CY 2019. A description of the sampling compliance cycles and monitoring parameters is included to show where time and effort are focused. The waivers, scheduling, collection, shipment, and analyses are conducted by the South Carolina Department of Health and Environmental Control (Department) Bureau of Water staff, Analytical and Radiological Environmental Services Division (ARESD) staff, and contracted private laboratories.

3.5.1 Microbiological

Required and Repeat Monitoring: Distribution Monitoring

The microbiological monitoring program is based on the Revised Total Coliform Rule and Groundwater Rule. The Revised Total Coliform Rule (RTCR) requires all federally defined public water systems to develop a self-monitoring program for their system. The Groundwater Rule requires all federally defined systems that detect total coliform in their distribution system to collect a sample from each source in use at the time of the total coliform positive. To be classified as a federally defined public water system, the system must meet specific criteria. These criteria are as follows:

1. A Community water system services a minimum population of twenty-five (25) year-round residents or has at least fifteen (15) service connections in use year-round.
OR
2. A Transient Non-Community water system has at least 15 service connections or serves an average of 25 or more people a day, though not the same people each day (i.e. restaurants, rest stops, campgrounds).
OR
3. A Non-Transient Non-Community water system regularly serves at least 25 of the same people over six months per year (i.e. schools, factories, and offices).

A State water system is defined as any water system that serves less than 15 service connections or regularly serves an average of less than 25 individuals daily. Department staff collects quarterly/monthly/annual samples, as required, from the distribution system of this type of water system. Repeat samples are required for each total coliform or *E. coli* positive routine sample as per the rule.

The Department also collects, for mandated compliance monitoring, quarterly/monthly/annual bacteriological samples from the transient non-community water systems. These samples are collected as part of the services included under the Drinking Water Fees. Repeat sample sets are collected for these systems, as required in RTCR. The repeat sets consist of three distribution samples and the source samples for those source(s) in operation at the time of the total coliform or *E.*

coli positive routine sample.

Migrant camps are monitored during the months they are in operation.

Non-Routine: Distribution Monitoring of Public Water Systems

Non-routine samples are special samples that may be collected due to complaints on a public water system. Department personnel will collect bacteriological samples from residences where complaints have been filed. Also, if there have been line breakages, line repairs, or extensions, samples may be collected to determine water quality and disinfection residual. Special project samples are included in the non-routine (non-required) program area. Special project samples encompass samples collected in defining an area of contamination, potential contamination, and investigations. These samples may be from public water systems or private wells.

3.5.2 Inorganic Chemicals (IOCs)

Required and Repeat Monitoring: Source Monitoring

Routine inorganic sample analysis includes the following compounds: arsenic, barium, cadmium, chromium, fluoride, mercury, selenium, antimony, beryllium and thallium. Inorganic monitoring applies to community systems and non-transient non-community systems. There are two schedules for IOCs: one (1) routine sample each calendar year (CY2019) for surface water systems; and one (1) routine sample every three (3) years for groundwater systems (January 2017-December 2019). Any system exceeding a Maximum Contaminant Level (MCL) shall be monitored quarterly beginning in the next quarter after the initial MCL exceedance. The quarterly monitoring may decrease if the system is reliably and consistently below the MCL to one sample at each sampling point during each compliance period for groundwater systems and one sample annually at each sampling point for surface water systems. There are currently five hundred thirty-four (534) systems being monitored for IOCs in CY2017 – CY2019. There are fifty-nine (59) surface water sources/plants and nine hundred sixty-eight (968) groundwater sources/plants being monitored for IOCs in CY2017 – CY2019. Currently there are approximately three hundred fifty-five (355) sources/plants representing two hundred twenty-three (223) systems that will be monitored for IOCs during the CY2019.

Required Lead and Copper Monitoring: Source and Distribution Monitoring

Community and Non-Community Non-Transient water systems must monitor for lead and copper. Initial sampling is in the distribution system. If the initial two rounds (2 consecutive 6-month sampling periods) of sampling are below the action levels for lead (0.015 ppm) and copper (1.3 ppm), the system may be placed on reduced monitoring. Reduced monitoring is conducted on an annual basis during the months of June, July, August, and September. The system is required to collect half the number of samples of the initial round. Five (5) samples per system is the minimum number of samples that may be collected for initial and reduced monitoring. If three consecutive rounds of reduced monitoring for the system are below the action levels for both lead and copper, the system may be placed on the ultra-reduced monitoring schedule. The systems on ultra-reduced must collect a reduced sampling round once every three years. Should a water system exceed the action

level for lead, copper, or both, the water system must conduct an Optimal Corrosion Control Treatment (OCCT) study. In addition, system(s) must do water quality parameters and public education (lead only). They may continue sampling on a six-month sampling cycle. OCCT requires source monitoring for all sources within the system. A water system may continue to monitor for lead and copper during the OCCT study. If during the OCCT study period, two consecutive rounds of lead and copper monitoring are below the action levels for both lead and copper, the system may be taken off OCCT and placed on the reduced monitoring schedule.

Required Nitrate and Repeat Monitoring: Source Monitoring

Currently there are one thousand forty-six (1,046) water systems that must be monitored for nitrate. There are fifty-seven (57) surface water sources and one-thousand five hundred eighty-six (1,586) groundwater sources/plants that must be monitored.

Each public water system must be monitored on an annual basis for nitrate. Repeat monitoring frequency shall be quarterly for at least one year following any one sample in which the concentration is 50 percent or more of the MCL. The schedule may be reduced to annual monitoring after four consecutive quarterly samples are reliably and consistently less than the MCL.

Migrant camps should be monitored prior to their opening.

Non-Routine/Special Projects (Investigation): Source, Distribution Monitoring

These samples are collected due to citizen complaints regarding a public water system or potential health hazard. These samples are not for compliance determination, but to help detect and correct any problem areas noted by the water systems' customers. These samples are part of the Department's public service commitment to investigate any public water complaint and address them accordingly. Special project samples are considered to be investigative sampling. Compliance issues may be raised from the samples and actions are taken accordingly.

3.5.3 Synthetic Organic Compounds (SOCs)

SOCs consist of forty-nine (49) regulated and unregulated compounds. All community and non-transient non-community public water systems require an initial four (4) consecutive quarters of monitoring. If at the end of the four consecutive quarters of monitoring no contaminant had a reading of greater than or equal to the detection limit, then the source is placed on routine monitoring. Once initial monitoring has been completed a system will have its schedule adjusted. If a contaminant result is greater than or equal to the detection limit the system must continue with four additional consecutive quarters of monitoring until the sampling is reliably and consistently below the detection limit. There are three different schedules for SOCs: one (1) routine sample each calendar year (CY2019) for surface water systems; one (1) routine sample every three (3) years for groundwater systems with a population of greater than 3,300 (CY2017-CY2019) and one (1) routine sample every nine (9) years for groundwater systems with a population of less than or equal to 3,300 (January 2011-December 2019). Currently there are approximately two hundred twelve (212) sources/plants representing ninety-five (95) systems that will be monitored for SOCs during the CY2019.

3.5.4 Volatile Organic Compounds (VOCs)

VOCs consist of twenty-one (21) regulated contaminants and thirty-eight (38) unregulated contaminants. All community and non-transient non-community public water systems require an initial four (4) consecutive quarters of monitoring. If at the end of the four consecutive quarters of monitoring no contaminant had a reading of greater than 0.0005 mg/L then the source is placed on routine monitoring. Once initial monitoring has been completed a system will have its schedule adjusted. If a detection level is exceeded the system must continue with four additional consecutive quarters of monitoring until the sampling is reliably and consistently below the MCL. There are two schedules for VOCs: one (1) routine sample each calendar year (CY2019) for surface water systems; and one (1) routine sample every six (6) years for groundwater systems (January 2014-December 2019). Currently there are approximately one hundred seventy-three (173) sources/plants representing one hundred one (101) systems that will be monitored for VOCs during the CY2019.

Non-Routine: Source or Distribution Monitoring

All non-routine VOCs would be collected on a complaint basis or as part of an investigation. These samples may be collected in coordination with landfills, gas stations, and petroleum storage tanks. The Drinking Water Monitoring Section, the Regional EA offices, and other Bureaus within the Agency may require special projects involving VOC samples to be collected and analyzed.

3.5.5 Total Trihalomethanes (TTHMs): Distribution Monitoring

Total Trihalomethanes (TTHMs) are a byproduct of drinking water disinfection. Community water systems and Non-community, non-transient water systems utilizing treated water in whole or in part are required to monitor for TTHMs. Compliance (routine) monitoring is based upon source water type and the population served.

In CY2019, approximately four hundred fifteen (415) water systems will be monitored for TTHMs.

3.5.6 Haloacetic Acids (HAAs): Distribution Monitoring

Haloacetic Acids (HAAs) are a byproduct of drinking water disinfection. Community water systems and Non-community, non-transient water systems utilizing treated water in whole or in part are required to monitor for HAAs. Compliance (routine) monitoring is based upon source water type and the population served.

In CY2019, approximately four hundred fifteen (415) water systems will be monitored for HAAs.

3.5.7 Radionuclides: Source Monitoring

Community water systems are required to monitor for radionuclides, which include gross alpha, radium-226, and radium-228. Radium-226 will be analyzed for based on the gross alpha level. Radium-228 will be monitored for all samples collected. Monitoring for radionuclides falls under the new Radionuclide rule which requires monitoring to be collected from the source

rather than the distribution system. During CY2019 approximately two hundred two (202) sources/plants will be monitored.

Table 4. Projected Public Water System Sample Numbers for CY 2019

<u>Microbiological</u>		
1.	Required Sampling	2200
a.	Repeat Sampling	995
2.	Non-routine Sampling	2,000
<u>Inorganic Chemicals (IOCs)</u>		
1.	Required Inorganic Sampling	4
2.	Required Lead & Copper Sampling	3,600
a.	Source Sampling	50
3.	Required Nitrate (routine + repeat monitoring)	1,789
4.	Non-Routine Investigative Samples	200
5.	Required Nitrite	143
<u>Synthetic Organic Compounds (SOCs)</u>		
1.	Benzo(a)pyrene	269
2.	Semi-Volatile/Pesticides	272
3.	Herbicides/Dalapon	275
4.	PCB/Toxaphene	273
5.	Carbamates	277
6.	Glyphosate	269
7.	Diquat	270
8.	EDB/DBCP	277
<u>Volatile Organic Compounds (VOCs)</u>		
1.	Required	312
2.	Non-Routine Samples	109
<u>Trihalomethanes (TTHMs)</u>		
Required Monitoring 2500		
<u>Haloacetic Acid (HAAs)</u>		
Required Monitoring		2500
<u>Radionuclides</u>		
Required Sampling (Alpha, Radium 226/228)		202

Appendices

J. List of Special Section 319 Project and TMDL Sites Sampled by the Aquatic Science Programs

Station	Station Description	County Location(s)	12-Digit HUC	Reason
S-070	REEDY RVR AT U.S. 76	Laurens	030501090602	319
S-861	@ SR 64	Laurens	030501090604	319
S-178	HUFF CK AT SC 418 1.6 MI NW FORK SHOALS	Greenville	030501090403	319
S-050	LITTLE SALUDA RVR AT US 378 E SALUDA	Saluda	030501091104	319, NRCS
S-123	LITTLE SALUDA RVR AT S-41-39 5.2 MI NE SALUDA	Saluda	030501091104	319, NRCS
PD-169	BIG SWP AT US 378 & SC 51 0.9 MI W OF SALEM	Florence	030502090201	319, NRCS
S-171	GROVE CK AT UN# RD BELOW J P STEVENS ESTES PLANT	Greenville	030501090305	319
S-267	TRIB TO SALUDA RVR 350 FT BL W PELZER STP ON S-23-53	Anderson	030501090307	319
S-302	BIG CK AT S-04-116	Anderson	030501090306	319
S-315	MILL CK AT BENT BRIDGE RD, BL CAROLINA PLATING	Greenville	030501090307	319
CW-080	TWENTYFIVE MILE CK AT S-28-05 3.7 MI W OF CAMDEN	Kershaw	030501040207	319
CW-229	BEAR CK AT S-40-82	Richland	030501040206	319
CW-652	BELL BRANCH @ CO. RD 129	Kershaw	030501040207	319
PD-065	GULLEY BR AT S-21-13, TIMROD PARK	Charleston	030502090202	319
C-005	SIX MILE CK ON US 21 S OF CAYCE	Lexington	030501100104	319
C-008	CONGAREE CK AT US 21 AT CAYCE WATER INTAKE	Lexington	030501100104	319
RS-14189	RICHLAND CK AT SPARTANBURG ST OFF STONE ST	Greenville	030501090402	319
S-1005	RICHLAND CK AT CLEVELAND PARK DR	Greenville	030501090402	319
S-1006	CONGAREE CK AT SOUTH LAKE DRIVE	Lexington	030501100104	319
S-981	RICHLAND CREEK AT E. NORTH ST CITY OF GREENVILLE	Greenville	030501090402	319
PD-352	CHINNERS SWAMP AT GUNTERS ISLAND RD OFF S-26-99	Florence	030402020703	319
PD-370	BRUNSON SWAMP AT PEE DEE HWY	Horry	030402040701	319
PD-702	@ SR 99	Horry	030402040806	319
PD-363	SIMPSON CREEK AT SC 905	Horry	030402060705	319
PD-362	BUCK CREEK AT SC 905	Horry	030402060703	319
C-001	GILLS CK AT BRDG ON US76-GARNERS FERRY RD	Richland	030501100203	319
C-017	GILLS CK AT SC 48 (BLUFF ROAD)	Richland	030501100203	319
S-855	BIG CREEK AT BRDG ON BIG CREEK ROAD	Saluda	030501091103	NRCS
RS-05590	BIG CREEK AT BRDG ON SC-39 (CHAPPEL HWY)	Saluda	030501091103	NRCS
PD-320	SMITH SWAMP AT BRDG ON S-34-19 (BLUFF ROAD)	Pee Dee	030402011102	NRCS
PD-187	SMITH SWAMP AT BRDG ON S-34-87 (SHANNON RD)	Pee Dee	030402011102	NRCS
RS-02480	SHAW CK AT SC 191	Aiken, Edgefield	030502040107	319
E-579	SHAWS CR. AT SR 153	Aiken, Edgefield	030502040107	319
E-094	SHAW CREEK AT S-02-26 4.2 MI NE AIKEN	Aiken, Edgefield	030502040107	319
RS-03344	HILLYER BRANCH AT HILLYER BRANCH RD	Aiken, Edgefield	030502040106	319
B-834	SMITH BRANCH AT COLUMBIA CANAL	Richland	030501060708	319
new station	SMITH BRANCH DOWNSTREAM OF EARLEWOOD PARK	Richland	030501060708	319
B-332	SOUTH TYGER RIVER AT PRICE HOUSE RD	Greenville, Spartanburg	030501070305	319
B-018A	NORTH TYGER RIVER AT BRDG ON S-231 (MORRIS BRIDGE RD)	Greenville, Spartanburg	030501070203	319
B-014	MIDDLE TYGER RIVER AT ANDERSON MILL RD	Greenville, Spartanburg	030501070103	319
RS-13141	MIDDLE TYGET RIVER AT BRDG ON HAMPTON RD	Greenville, Spartanburg	030501070103	319
B-784	BEAVERDAM CK AT END OF WRIGHT RD OFF OF SC-357	Greenville, Spartanburg	030501070102	319
B-219	N. TYGER RVR BTWN BRDGS ON GREENVILLE HWY & WARREN H. ABERNATHY HWY	Greenville, Spartanburg	030501070201	319
B-005A	SOUTH TYGER RIVER AT BRDG ON S DANZLER RD	Greenville, Spartanburg	030501070303	319

**K. List of Facilities Requiring Federal Compliance Sampling Inspections by EA
Regional Office**

PLANNED CSI INSPECTIONS FOR REGION 1 - ANDERSON

NPDES	NAME	TYPE
SC0045896	BELTON / DUCWORTH	MUNIC
SC0048135	SCPSA / JOHN RAINEY GEN STATION	IND

PLANNED CSI INSPECTIONS FOR REGION 1- GREENWOOD

NPDES	NAME	TYPE
SC0000299	MOHAWK IND / ROCKY RIVER PLT	IND
SC0030783	MCCORMICK / ROCKY CREEK WWTP	MUNIC

PLANNED CSI INSPECTIONS FOR REGION 2 - GREENVILLE

NPDES	NAME	TYPE
SC0041211	REWA / MAULDIN RD WWTP	MUNIC
SC0047856	PICKENS COUNTY / 18 MILE CREEK MIDDLE WWTF	MUNIC

PLANNED CSI INSPECTIONS FOR REGION 2 - SPARTANBURG

NPDES	NAME	TYPE
SC0038229	CELANESE LTD / ENOREE PLANT	IND
SC0026875	SSSD / PAGE CREEK WWTP	MUNIC
SC0021300	TOWN OF LYMAN	MUNIC

PLANNED CSI INSPECTIONS FOR REGION 3 - LANCASTER

NPDES	NAME	TYPE
SC0036081	CHESTER / SANDY RIVER WWTP	MUNIC
SC0021211	GREAT FALLS / W C CHILDERS WWTP	MUNIC

PLANNED CSI INSPECTIONS FOR REGION 3 -COLUMBIA

NPDES	NAME	TYPE
SC0029483	ALPINE UTILITIES STOOPS CREEK WWTP	MUNIC
SC0024147	CAYCE WWTP	MUNIC

PLANNED CSI INSPECTIONS FOR REGION 4 - FLORENCE

NPDES	NAME	TYPE
SC0039624	DARLINGTON / BLACK CREEK WWTP	MUNIC
SC0003042	SONOCO PRODUCTS / HARTSVILLE	IND

PLANNED CSI INSPECTIONS FOR REGION 4 – SUMTER

NPDES	NAME	TYPE
SC0043451	PALMETTO UTILS / SPEARS CREEK WWTF	MUNIC
SC0027707	SUMTER / POCOTALIGO RIVER PLANT	MUNIC

PLANNED CSI INSPECTIONS FOR REGION 5 - AIKEN

NPDES	NAME	TYPE
SC0000175	US DOE / SAVANNAH RIVER SITE	IND

PLANNED CSI INSPECTIONS FOR REGION 6 – MYRTLE BEACH

NPDES	NAME	TYPE
SC0039951	GCW&SD / PAWLEYS AREA WWTP	MUNIC
SC0001431	LIBERTY STEEL	IND

PLANNED CSI INSPECTIONS FOR REGION 7 - CHARLESTON

NPDES	NAME	TYPE
SC0001091	SCPSA / JEFFRIES GENERATING STATION	IND
SC0003441	SUN CHEMICAL / BUSHY PARK	IND
SC0021598	MONKS CORNER	MUNIC

PLANNED CSI INSPECTIONS FOR REGION 8 - BEAUFORT

NPDES	NAME	TYPE
SC0048348	BJW&SA / PORT ROYAL WTR RECL FACILITY	MUNIC
SC0040436	CITY OF WALTERBORO WWTP	MUNIC

4.0. PROGRAM EVALUATION AND PLANNING

The South Carolina ambient monitoring strategy as described in this document represents a comprehensive approach to address the goals and objectives discussed in Section 1. The Strategy is updated each year, and as part of that process each program represented in the Strategy conducts a thorough review of their continuing monitoring activities. This review includes an evaluation of new initiatives and emerging issues and provides the opportunity to incorporate changes to the monitoring activities to ensure that those are addressed.